The data in this document is reported as of Monday, August 29, 2022

Approved American National Standards

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

Listed below are Approved American National Standards (ANS) as of 8/29/2022. Additional information about these Approved ANS has been published in ANSI’s Standards Action during the standards development cycle as indicated by the PINS Date and/or Public Review Start Date and Approval Date. To review this additional information, archived issues of ANSI's Standards Action in (PDF) format are available at (www.ansi.org/standardsaction). Questions concerning a particular ANS should be directed to the sponsoring ANSI-Accredited Standards Developer

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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<td>ANSI/ASB Std 032-2020</td>
<td>Standards for a Bloodstain Pattern Analyst’s Training Program</td>
<td>Apr 27, 2018</td>
<td>Aug 9, 2019</td>
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<td>ANSI/ASB Std 037-2019</td>
<td>Guidelines for Opinions and Testimony in Forensic Toxicology</td>
<td>Jun 9, 2017</td>
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<td>ANSI/ASB Std 054-2021</td>
<td>Standard for a Quality Control Program in Forensic Toxicology Laboratories</td>
<td>May 18, 2018</td>
<td>Apr 30, 2021</td>
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# Approved American National Standards

## AAFS (American Academy of Forensic Sciences)

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<td>ANSI/ASB Std 105-2021</td>
<td>Minimum Education Requirements for Firearm and Toolmark Examiner Trainees (new standard)</td>
<td>Nov 9, 2018</td>
<td>Aug 30, 2019</td>
<td>Sep 17, 2021</td>
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**AAMI (Association for the Advancement of Medical Instrumentation)**

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<td>ANSI/AAMI 2700-1-2019</td>
<td>Medical Devices and Medical Systems — Essential safety requirements for equipment comprising the patient-centric integrated clinical environment (ICE) — Part 1: General requirements and conceptual model (new standard)</td>
<td>Jul 29, 2019</td>
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<td>ANSI/AAMI 2700-2-1-2022</td>
<td>Medical Devices and Medical Systems — Essential safety and performance requirements for equipment comprising the patient-centric integrated clinical environment (ICE): Part 2-1: Particular requirements or forensic Data logging (new standard)</td>
<td>Feb 1, 2022</td>
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<td>ANSI/AAMI CN27-2021</td>
<td>General requirements for Luer activated valves (LAVs) incorporated into medical devices for intravascular applications (new standard)</td>
<td>Oct 26, 2021</td>
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<td>ANSI/AAMI EQ93-2019</td>
<td>Medical equipment management - Vocabulary used in medical equipment programs (new standard)</td>
<td>Apr 18, 2019</td>
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AAMI (Association for the Advancement of Medical Instrumentation)

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

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

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

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

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

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

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

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

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

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

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

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

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

  - Reaffirm a national adoption ANSI/AAMI ST15883-3-2012 (ISO 15883-3-2006) MOD
  - Public Review Date: Aug 14, 2015 | Final Action Date: Nov 23, 2015 | **Approved**

  - Reaffirmation of ANSI/AAMI ST24-1999 (R2013)
  - 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**

- **ANSI/AAMI ST41-2008 (R2018)**, Ethylene oxide sterilization in health care facilities: Safety and effectiveness  
  - Reaffirmation of ANSI/AAMI ST41-2008 (R2012)
  - 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**

- **ANSI/AAMI ST65-2008 (R2018)**, Processing of reusable surgical textiles for use in health care facilities  
  - Reaffirmation of ANSI/AAMI ST65-2008 (R2013)
  - 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**

- **ANSI/AAMI ST79-2017/A.1-2020**, Comprehensive guide to steam sterilization and sterility assurance in health care facilities - Amendment 1  
  - Addenda to BSR/AAMI ST79-2017/A.1-201x
  - PINS Date: Feb 22, 2019 | Public Review Date: Oct 26, 2020 | Final Action Date: Oct 26, 2020 | **Approved**

  - Addenda to BSR/AAMI ST79-2017/A.2-201x
  - PINS Date: Feb 22, 2019 | Public Review Date: Oct 18, 2019 | Final Action Date: Oct 26, 2020 | **Approved**
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AAMI (Association for the Advancement of Medical Instrumentation)

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

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

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

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

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

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

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

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

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

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

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

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

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

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### 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

### ANSI/AAMI/IEC 60601-2-19-2009 (R2014), Medical electrical equipment - Part 2-19: Particular requirements for the basic safety and essential performance of infant incubators  
(reaffirm a national adoption ANSI/AAMI/IEC 60601-2-19-2009)

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

### ANSI/AAMI/IEC 60601-2-19/A1-2016, Medical electrical equipment - Part 2-19: Particular requirements for the basic safety and essential performance of infant incubators, Amendment 1  
(supplement to ANSI/AAMI/IEC 60601-2-19-2009 (R2014))

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

### ANSI/AAMI/IEC 60601-2-2-2017, Medical electrical equipment - Part 2-2: Particular requirements for the basic safety and essential performance of high frequency surgical equipment and high frequency surgical accessories  
(identical national adoption of IEC 60601-2-2 and revision of ANSI/AAMI/IEC 60601-2-2-2009 (R2014))

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

### ANSI/AAMI/IEC 60601-2-20-2009 (R2014), Medical electrical equipment - Part 2-20: Particular requirements for the basic safety and essential performance of infant transport incubators  
(reaffirm a national adoption ANSI/AAMI/IEC 60601-2-20-2009)

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

### ANSI/AAMI/IEC 60601-2-20/A1-2016, Medical electrical equipment - Part 2-20: Particular requirements for the basic safety and essential performance of transport infant incubators, Amendment 1  
(supplement to ANSI/AAMI/IEC 60601-2-20-2009 (R2014))

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

### ANSI/AAMI/IEC 60601-2-21-2009 (R2014), Medical electrical equipment - Part 2-21: Particular requirements for the basic safety and essential performance of infant radiant warmers  
(reaffirm a national adoption ANSI/AAMI/IEC 60601-2-21-2009)

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

### ANSI/AAMI/IEC 60601-2-21/A1-2016, Medical electrical equipment - Part 2-21: Particular requirements for the basic safety and essential performance of infant radiant warmers, Amendment 1  
(supplement to ANSI/AAMI/IEC 60601-2-21-2009 (R2014))

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

### ANSI/AAMI/IEC 60601-2-25-2011 (R2016), Medical electrical equipment - Part 2-25: Particular requirements for the basic safety and essential performance of electrocardiographs  
(reaffirm a national adoption ANSI/AAMI/IEC 60601-2-25-2012)

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

### ANSI/AAMI/IEC 60601-2-27-2011 (R2016), Medical electrical equipment - Part 2-27: Particular requirements for the basic safety and essential performance of electrocardiographic monitoring equipment  
(reaffirm a national adoption ANSI/AAMI/IEC 60601-2-27-2011)

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

(identical national adoption of IEC 60601-2-39:2018)

- PINS Date: Dec 23, 2016 | Public Review Date: Apr 10, 2020 | Final Action Date: Jul 23, 2020 | Approved
AAMI (Association for the Advancement of Medical Instrumentation)

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


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


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


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


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

- ANSI/AAMI/IEC 62304-2006/Amd 1-2016, Medical device software - Software life cycle processes, Amendment 1 (identical national adoption of IEC 62304:2006/Amd 1)

  PINS Date: Jul 17, 2015 | Public Review Date: Sep 4, 2015 | Final Action Date: Apr 7, 2016 | Approved


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


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

- ANSI/AAMI/IEC 80001-1-2010, Application of risk management for IT Networks incorporating medical devices - Part 1: Roles, responsibilities and activities (identical national adoption of IEC 80001-1)

  PINS Date: Aug 7, 2009 | Public Review Date: Aug 21, 2009 | Final Action Date: Oct 6, 2010 | Approved


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


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


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

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

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

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

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

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

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

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

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

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

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

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

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

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Public Review Date: Feb 10, 2017 | Final Action Date: Oct 6, 2017 | Approved

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

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

ANSI/AAMI/ISO 11140-3-2012 (R2015), Sterilization Of Health Care Products - Chemical Indicators - Part 3: Class 2 Indicator Systems For Use In The Bowie And Dick-Type Steam Penetration Test (reaffirm a national adoption ANSI/AAMI/ISO 11140-3-2007 (R2012))
Public Review Date: Sep 4, 2015 | Final Action Date: Nov 10, 2015 | Approved
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<th>ANSI/AAMI/ISO 11140-4-2012 (R2015), Sterilization Of Health Care Products - Chemical Indicators - Part 4: Class 2 Indicators As An Alternative To Bowie And Dick Test For Detection Of Steam Penetration (reaffirm a national adoption ANSI/AAMI/ISO 11140-4-2007 (R2012))</th>
<th>Public Review Date: Sep 4, 2015</th>
<th>Final Action Date: Nov 10, 2015</th>
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<td>ANSI/AAMI/ISO 11658-2012, Cardiovascular implants and extracorporeal systems - Blood/tissue contact surface modifications for extracorporeal perfusion systems (identical national adoption of ISO 11658)</td>
<td>PINS Date: Oct 23, 2009</td>
<td>Public Review Date: May 6, 2011</td>
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<td>ANSI/AAMI/ISO 13022-2012, Medical products containing viable human cells -- Application of risk management and requirements for processing practices (identical national adoption of ISO 13022)</td>
<td>PINS Date: May 8, 2009</td>
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AAMI (Association for the Advancement of Medical Instrumentation)

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

  Public Review Date: Jun 28, 2013 | Final Action Date: Oct 4, 2013 | Approved
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<td>Aug 18, 2017</td>
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AAMI (Association for the Advancement of Medical Instrumentation)

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

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

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

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

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

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

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

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

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

  PINS Date: Aug 20, 2010 | Public Review Date: Aug 15, 2014 | Final Action Date: Aug 2, 2016 | Approved
AAMI (Association for the Advancement of Medical Instrumentation)

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

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

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

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

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

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

- 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

  PINS Date: Mar 11, 2016 | Public Review Date: Mar 27, 2020 | Final Action Date: Jul 21, 2020 | Approved
### AAMI (Association for the Advancement of Medical Instrumentation)

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

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

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

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

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

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

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

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

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

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

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

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

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

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

- **ANSI/AARST RMS-LB-2018**, Radon Mitigation Standards for Schools and Large Buildings  
  - **Revision**: ANSI/AARST RMS-LB-2014  
  - **Public Review Date**: Jun 23, 2017  
  - **Final Action Date**: Dec 11, 2017  
  - **Approved**

- **ANSI/AARST RMS-LB-2020**, Radon Mitigation Standards for Schools and Large Buildings  
  - **Revision**: ANSI/AARST RMS-LB-2018  
  - **Public Review Date**: Oct 9, 2020  
  - **Final Action Date**: Nov 12, 2020  
  - **Approved**

  - **Revision**: ANSI/AARST RMS-MF-2014  
  - **Public Review Date**: Jun 23, 2017  
  - **Final Action Date**: Dec 11, 2017  
  - **Approved**

- **ANSI/AARST RMS-MF-2020**, Radon Mitigation Standards for Multifamily Buildings  
  - **Revision**: ANSI/AARST RMS-MF-2018  
  - **Public Review Date**: Oct 9, 2020  
  - **Final Action Date**: Nov 12, 2020  
  - **Approved**

- **ANSI/AARST RRNC-2020**, Rough-in of Radon Control Components in New Construction of 1 & 2 Family Dwellings and Townhouses  
  - **New standard**  
  - **PINS Date**: Jan 4, 2019  
  - **Public Review Date**: Jul 12, 2019  
  - **Final Action Date**: Feb 7, 2020  
  - **Approved**

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

- **ANSI/AARST SGM-SF-2020**, Soil Gas Mitigation Standards in Existing Homes  
  - **Revision**: ANSI/AARST SGM-SF-2017  
  - **Public Review Date**: Oct 9, 2020  
  - **Final Action Date**: Nov 12, 2020  
  - **Approved**

### ABMA (American Brush Manufacturers Association)

- **736 Main Avenue, Suite 7, Durango, CO 81301-5479**  
  - **w**: www.abma.org

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

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

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

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

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

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

- **ANSI ABMA ISO 12240-3-AXX-2021**, Spherical plain bearings - Part 3: Thrust spherical plain bearings  
  - **Identical national adoption of ISO 12240-3:1998**  
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  - **Public Review Date**: Jan 8, 2021  
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ABMA (ASC B3) (American Bearing Manufacturers Association)

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

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

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

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

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

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ABMA (ASC B3) (American Bearing Manufacturers Association)
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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
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 ANSI/ABYC A-28-2019, Galvanic Isolators  (new standard)
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 ANSI/ABYC A-3-2021, Cooking Appliances  (revision of ANSI/ABYC A-3-2013)
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 ANSI/ABYC A-30-2018, COOKING APPLIANCES WITH INTEGRAL LPG CYLINDERS  (revision of ANSI/ABYC A-30 -2013)
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  PINS Date: Mar 27, 2020 | Public Review Date: Dec 4, 2020 | Final Action Date: Jul 25, 2022 | Approved

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

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

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

  PINS Date: Oct 13, 2017 | Public Review Date: Mar 12, 2021 | Final Action Date: Jul 6, 2021 | Approved

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

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

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

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

- **ANSI/ABYC H-26-2021**, POWERING OF BOATS (revision of ANSI/ABYC H-26-2016)  
  PINS Date: Oct 9, 2020 | Public Review Date: Mar 19, 2021 | Final Action Date: Jul 6, 2021 | Approved

- **ANSI/ABYC H-27-2021**, SEACOCKS, THRU-HULL FITTINGS, AND DRAIN PLUGS (new standard)  
  PINS Date: Sep 14, 2018 | Public Review Date: Mar 19, 2021 | Final Action Date: Jul 6, 2021 | Approved

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

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

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

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

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

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

  PINS Date: Sep 27, 2019 | Public Review Date: Mar 19, 2021 | Final Action Date: Jul 6, 2021 | Approved
ABYC (American Boat and Yacht Council)

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

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

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

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

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

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

- ANSI/ABYC H-8-2022, Buoyancy In The Event Of Flooding/Swamping (revision of ANSI/ABYC H-8-2017)
  PINS Date: Nov 5, 2021 | Public Review Date: Mar 25, 2022 | Final Action Date: Jun 23, 2022 | Approved

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

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

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

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

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

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

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

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

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

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

  PINS Date: Oct 1, 2021 | Public Review Date: Apr 8, 2022 | Final Action Date: Jul 11, 2022 | Approved
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<td>ANSI/ABYC S-32-2022, Warnings And Safety Signs For Boats (new standard)</td>
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<td>ANSI/ABYC S-7-2020, Boat Capacity Labels (revision of ANSI/ABYC S-7-2015)</td>
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<td>PINS Date: Sep 27, 2019</td>
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<td>ANSI/ABYC S-8-2021, BOAT MEASUREMENT AND WEIGHT (revision of ANSI/ABYC S-8-2016)</td>
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<td>1330 Braddock Place, Suite 350, Alexandria, VA 22314</td>
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<td>ANSI/ACCA 5 QI Addendum-2010, HVAC Quality Installation Specification (supplement to ANSI/ACCA 5 QI-2010)</td>
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<td>PINS Date: Feb 1, 2013</td>
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<td>ANSI/ACCA 5 QI-2015, HVAC Quality Installation Specifications (revision of ANSI/ACCA 5 QI-2010)</td>
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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

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

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

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

**ACI (American Concrete Institute)**

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

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

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

**ACMA (American Composites Manufacturers Association)**

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

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

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

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

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

**ACP (American Clean Power Association)**

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

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

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

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

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

  PINS Date: Feb 2, 2018 | Public Review Date: Mar 18, 2022 | Final Action Date: Jun 14, 2022 | Approved

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

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

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

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

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

ADA (Organization) (American Dental Association)

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

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

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

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

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<td>ANSI/ADA 1067-2013</td>
<td>Electronic Dental System Standard Functional Requirements</td>
<td>Jul 6, 2018</td>
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<td>Reference Core Data Set for Communication Among Dental and Other Health Information Systems</td>
<td>Sep 14, 2018</td>
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ADA (Organization) (American Dental Association)

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

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ADA (Organization) (American Dental Association)

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

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

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  - PINS Date: Dec 11, 2020 | Public Review Date: Mar 12, 2021 | Final Action Date: Jul 7, 2021 | **Approved**

  - PINS Date: Dec 11, 2020 | Public Review Date: Mar 12, 2021 | Final Action Date: Jul 7, 2021 | **Approved**

- **ANSI/ADA Standard No. 197-2021, Spoons and Bone Curettes in Dentistry** (identical national adoption of ISO 22570:2020)
  - PINS Date: Dec 11, 2020 | Public Review Date: Mar 12, 2021 | Final Action Date: Jul 7, 2021 | **Approved**

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

  - PINS Date: Sep 10, 2021 | Public Review Date: Oct 22, 2021 | Final Action Date: Dec 7, 2021 | **Approved**

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

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

- **ANSI/ADA Standard No. 30-2013 (R2018), Dental Zinc Oxide - Eugenol and Zinc Oxide - Non-Eugenol Cements** (reaffirm a national adoption ANSI/ADA Standard No. 30-2013)
  - Public Review Date: Jan 12, 2018 | Final Action Date: Oct 31, 2018 | **Approved**

  - PINS Date: Jan 22, 2016 | Public Review Date: Jul 29, 2016 | Final Action Date: Sep 12, 2017 | **Approved**

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

  - PINS Date: May 6, 2011 | Public Review Date: Aug 10, 2012 | Final Action Date: Feb 19, 2013 | **Approved**

  - PINS Date: Sep 14, 2018 | Public Review Date: Feb 15, 2019 | Final Action Date: Aug 26, 2019 | **Approved**
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## ADA (Organization) (American Dental Association)

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

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

  Public Review Date: Aug 21, 2015 | Final Action Date: Dec 30, 2015 | **Approved**

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

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

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

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

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  PINS Date: Aug 30, 2019 | Public Review Date: Aug 21, 2020 | Final Action Date: Dec 21, 2020 | **Approved**
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<td>ANSI/ADA Standard No. 73-2008 (R202x)</td>
<td>Dental Absorbent Points (reaffirm a national adoption ANSI/ADA Standard No. 73-2008 (R2013))</td>
<td>Aug 30, 2019</td>
<td>Final Action Date: Jan 31, 2020, Approved</td>
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**ADA (Organization) (American Dental Association)**

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

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

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

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

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

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

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

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

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

  - PINS Date: May 18, 2018 | Public Review Date: Oct 18, 2019 | Final Action Date: Apr 2, 2020 | **Approved**

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

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

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

**AGMA (American Gear Manufacturers Association)**

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

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

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

- **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

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

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

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

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

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

  - Public Review Date: Jul 17, 2015 | Final Action Date: Mar 16, 2016 | Approved

  - PINS Date: Oct 26, 2018 | Public Review Date: Jan 18, 2019 | Final Action Date: Dec 9, 2019 | Approved

  - PINS Date: Dec 15, 2017 | Public Review Date: Dec 14, 2018 | Final Action Date: May 14, 2019 | Approved

  - Public Review Date: Jul 19, 2019 | Final Action Date: Feb 6, 2020 | Approved

  - Public Review Date: Mar 2, 2012 | Final Action Date: Aug 1, 2013 | Approved

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

  - Public Review Date: Aug 30, 2019 | Final Action Date: Dec 17, 2019 | Approved
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**AGMA (American Gear Manufacturers Association)**

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<td>(reaffirmation of ANSI/AGMA 2101-D04 (R2010))</td>
<td>Final Action Date: Mar 16, 2016</td>
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<td>ANSI/AGMA 2111-A98 (R2020), Cylindrical Wormgearing Tolerance and Inspection - Methods (Metric)</td>
<td>(reaffirmation of ANSI/AGMA 2111-A98 (R2015))</td>
<td>Final Action Date: Nov 20, 2020</td>
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<td>ANSI/AGMA 6000-CXX-2020, Specification for Measurement of Linear Vibration on Gear Units</td>
<td>(revision and redesignation of ANSI/AGMA 6000-B96 (R2016))</td>
<td>Final Action Date: Nov 30, 2020</td>
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<td>ANSI/AGMA 6001-F-2019, Design and Selection of Components for Enclosed Gear Drives</td>
<td>(revision and redesignation of ANSI/AGMA 6001-E-2008 (R2014))</td>
<td>Final Action Date: Jan 18, 2019</td>
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<td>ANSI/AGMA 6002-DXX-2019, Design Manual for Cylindrical Wormgearing</td>
<td>(new standard)</td>
<td>Final Action Date: Sep 9, 2019</td>
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<tr>
<td>ANSI/AGMA 6008-A98 (R2017), Specifications for Powder Metallurgy Gears</td>
<td>(reaffirmation of ANSI/AGMA 6008-A98 (R2012))</td>
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<td>ANSI/AGMA 6011-J14 (R2019), Specification for High Speed Helical Gear Units</td>
<td>(reaffirmation of ANSI/AGMA 6011 -2014)</td>
<td>Final Action Date: Dec 19, 2019</td>
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<tr>
<td>ANSI/AGMA 6013-B-2016 (R2021), Standard for Industrial Enclosed Gear Drives</td>
<td>(reaffirmation of ANSI/AGMA 6013-B-2016)</td>
<td>Final Action Date: Nov 23, 2021</td>
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<tr>
<td>ANSI/AGMA 6015-2013 (R2018), Power Rating of Single and Double Helical Gearing for Rolling Mill Service</td>
<td>(reaffirmation of ANSI/AGMA 6015-2013)</td>
<td>Final Action Date: Dec 17, 2018</td>
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<tr>
<td>ANSI/AGMA 6022-DXX-2019, Design Manual for Cylindrical Wormgearing</td>
<td>(new standard)</td>
<td>Final Action Date: Sep 9, 2019</td>
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<tr>
<td>ANSI/AGMA 6025-E-2019, Sound for Enclosed Helical, Herringbone and Spiral Bevel Gear Drives</td>
<td>(revision and redesignation of ANSI/AGMA 6025-D98 (R2016))</td>
<td>Final Action Date: Jan 18, 2019</td>
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<td>Standard</td>
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AGMA (American Gear Manufacturers Association)

- ANSI/AGMA 9000-D11-2011 (R2016), Flexible Couplings -- Potential Unbalance Classification (reaffirmation of ANSI/AGMA 9000-D11-2011 (R2016))
  Public Review Date: Aug 6, 2021 | Final Action Date: Jan 6, 2022 | Approved

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

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

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

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

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

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

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

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

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

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

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

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

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

  PINS Date: Jan 29, 2021 | Public Review Date: Mar 5, 2021 | Final Action Date: Oct 18, 2021 | Approved
AGMA (American Gear Manufacturers Association)

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

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

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

AGSC (Auto Glass Safety Council)

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

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

AHAM (Association of Home Appliance Manufacturers)

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

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

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

- **ANSI/AHRI Standard 1200 (I-P)-2013**, Performance Rating of Commercial Refrigerated Display Merchandisers and Storage Cabinets  
  (revision of ANSI/AHRI Standard 1200-2010)  
PINS Date: Jul 19, 2013 | Public Review Date: Aug 9, 2013 | Final Action Date: Oct 1, 2013 | Approved

  (revision of ANSI/AHRI Standard 1201-2010)  
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

- **ANSI/AHRI Standard 1211 (SI)-2011 with Addendum 1**, Performance Rating of Variable Frequency Drives  
  (revision of ANSI/AHRI Standard 1210-2011)  
Public Review Date: Aug 16, 2013 | Final Action Date: Oct 1, 2013 | Approved

  (revision of ANSI/AHRI Standard 1250-2010)  
PINS Date: May 16, 2014 | Public Review Date: Feb 20, 2015 | Final Action Date: May 19, 2015 | Approved

  (revision of ANSI/AHRI Standard 1251-2010)  
PINS Date: May 16, 2014 | Public Review Date: Feb 20, 2015 | Final Action Date: May 19, 2015 | Approved

  (revision of ANSI/AHRI Standard 1270 (I-P)-2013)  
PINS Date: Jan 16, 2015 | Public Review Date: Aug 7, 2015 | Final Action Date: Nov 6, 2015 | Approved

  (revision of ANSI/AHRI Standard 1271 (SI)-2013)  
PINS Date: Jan 16, 2015 | Public Review Date: Aug 7, 2015 | Final Action Date: Nov 6, 2015 | Approved

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

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

  (new standard)  
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

  (new standard)  
PINS Date: Aug 6, 2010 | Public Review Date: Sep 12, 2014 | Final Action Date: Nov 19, 2014 | Approved

  (revision of ANSI/AHRI Standard 210/240 with Addendum 1-2011)  
PINS Date: Sep 7, 2012 | Public Review Date: Oct 19, 2012 | Final Action Date: Jan 15, 2013 | Approved
### AHRI (Air-Conditioning, Heating, and Refrigeration Institute)

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

AIAA (American Institute of Aeronautics and Astronautics)

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

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

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

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

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

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

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

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

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

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

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

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

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

- ANSI/AIAA S-102.2-4-2015, Capability-Based Product Failure Mode, Effects and Criticality Analysis (FMECA) Requirements (revision of ANSI/AIAA S-102.2-4-2008)
  PINS Date: Nov 28, 2014 | Public Review Date: Feb 27, 2015 | Final Action Date: Aug 14, 2015 | Approved

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

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

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

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

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

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

  PINS Date: Feb 14, 2020 | Public Review Date: Apr 3, 2020 | Final Action Date: Apr 29, 2021 | Approved

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

AISC (American Institute of Steel Construction)

130 E. Randolph Street, Suite 2000, Chicago, IL 60601-6204 | w: www.aisc.org

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

  PINS Date: Dec 20, 2013 | Public Review Date: Dec 18, 2015 | Final Action Date: Jul 12, 2016 | Approved

- ANSI/AISC 342-2022, Seismic Provisions for the Evaluation and Retrofit of Existing Structural Steel Buildings (new standard)
  PINS Date: May 18, 2018 | Public Review Date: Apr 1, 2022 | Final Action Date: Aug 1, 2022 | Approved
AISC (American Institute of Steel Construction)

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

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

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

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

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

AISI (American Iron and Steel Institute)

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

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

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

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

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

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

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

  PINS Date: Apr 8, 2016 | Public Review Date: Nov 2, 2018 | Final Action Date: Apr 30, 2019 | Approved

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

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

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

  PINS Date: Aug 27, 2021 | Public Review Date: Dec 17, 2021 | Final Action Date: Feb 28, 2022 | Approved

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

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

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

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

- ANSI/AISI S905-2017, Test Standard for Determining the Strength and Deformation Characteristics of Cold-Formed Steel Connections (revision of ANSI/AISI S905-2013)
  PINS Date: Jul 18, 2014 | Public Review Date: Nov 17, 2017 | Final Action Date: Mar 29, 2018 | Approved

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

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

  PINS Date: Jul 18, 2014 | Public Review Date: Jan 26, 2018 | Final Action Date: Mar 29, 2018 | Approved

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

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

- **ANSI/AISI S911-2017**, Test Standard for Determining the Flexural Strength of Cold-Formed Steel Hat-Shaped Members  (revision of ANSI/AISI S911-2014)
  - PINS Date: Jul 18, 2014 | Public Review Date: Nov 17, 2017 | Final Action Date: Mar 29, 2018 | Approved

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

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

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

  - 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

  - 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
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ALI (Automotive Lift Institute)

PO Box 85, 3699 Luker Road, Cortland, NY 13045 | w: www.autolift.org

  (revision of ANSI/ALI ALCTV-2011)
  PINS Date: Jun 19, 2015 | Public Review Date: Oct 7, 2016 | Final Action Date: Jan 24, 2017 | Approved

- ANSI/ALI ALIS-2022, Standard for Automotive Lifts - Safety Requirements for Installation and Service
  (revision of ANSI/ALI ALIS:2009 (R2015))
  PINS Date: Jan 4, 2019 | Public Review Date: Sep 24, 2021 | Final Action Date: Feb 4, 2022 | Approved

- ANSI/ALI ALOIM-2020, Standard for Automotive Lifts - Safety Requirements for Operation, Inspection and
  Maintenance
  (revision of ANSI/ALI ALOIM-2008 (R2013))
  PINS Date: Jul 18, 2014 | Public Review Date: Sep 27, 2019 | Final Action Date: Mar 13, 2020 | Approved

ALI (ASC A14) (American Ladder Institute)

1300 Sumner Avenue, Cleveland, OH 4115-2851 | w: www.americanladderinstitute.org

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

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

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

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

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

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

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

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

AMCA (Air Movement and Control Association)

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

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

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

  Rating (revision of ANSI/AMCA 210/ASHRAE Standard 51-2007)
  Public Review Date: Oct 30, 2015 | Final Action Date: Aug 26, 2016 | Approved
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**AMCA (Air Movement and Control Association)**

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

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

  PINS Date: Jun 19, 2020 | Public Review Date: Oct 15, 2021 | Final Action Date: May 10, 2022 | Approved

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

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

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

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

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

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

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

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

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

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

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

  Public Review Date: Oct 9, 2015 | Final Action Date: Dec 3, 2015 | Approved
AMCA (Air Movement and Control Association)

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

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

AMCI (AMC Institute)

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

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

AmericanHort (AmericanHort)

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

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

AMPP (Association for Materials Protection and Performance)

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

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

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

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

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

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

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

  Public Review Date: Nov 20, 2015 | Final Action Date: Apr 18, 2016 | Approved
### AMPP (Association for Materials Protection and Performance)

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

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

### ANS (American Nuclear Society)

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

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

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

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

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

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

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

  - 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
ANS (American Nuclear Society)

  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

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  Public Review Date: Apr 1, 2022 | Final Action Date: Jun 2, 2022 | Approved

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

- ANSI/ANS 19.3.4-2022, The Determination of Thermal Energy Deposition Rates in Nuclear Reactors (revision of ANSI/ANS 19.3.4-2002 (R2017))
  PINS Date: Sep 1, 2017 | Public Review Date: Apr 22, 2022 | Final Action Date: Jul 12, 2022 | Approved

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

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

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

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

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

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

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

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

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

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

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

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

- 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
ANS (American Nuclear Society)

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

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

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

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

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

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

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

The data in this document is reported as of Monday, August 29, 2022.
APCO (Association of Public-Safety Communications Officials-International)

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

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

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

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

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

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

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

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

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

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

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

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

- ANSI/APCO 1.121.1-2022, Managing Operational Overload in the Emergency Communication Center (new standard)
  PINS Date: Oct 25, 2019 | Public Review Date: Dec 3, 2021 | Final Action Date: Feb 14, 2022 | Approved

- ANSI/APCO 2.102.1-2022, APCO NENA Advanced Automatic Crash Notification (AACN) Vehicle Emergency Data Set (VEDS) (new standard)
  PINS Date: Feb 17, 2012 | Public Review Date: Mar 11, 2022 | Final Action Date: May 13, 2022 | Approved

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

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

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- ANSI/APCO 3.105.1-2015, Minimum Training Standard for TTY/TDD Use in the Public Safety Communications Center (new standard)
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  PINS Date: Nov 2, 2018 | Public Review Date: Oct 29, 2021 | Final Action Date: Jan 18, 2022 | Approved

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

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

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

- ANSI/APCO/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

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  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
ANSI/API 13M/ISO 13503-1-2004 (R2018), Measurement of Viscous Properties of Completion Fluids  
(reaffirm a national adoption ANSI/API 13M/ISO 13503-1-2004 (R2010))
Public Review Date: Nov 10, 2017 | Final Action Date: Dec 11, 2018 | Approved

(identical national adoption of ISO 17078-4)
PINS Date: Jan 1, 2010 | Public Review Date: Nov 19, 2010 | Final Action Date: Jan 13, 2011 | Approved

ANSI/API 780-2013 (R2022), Security Risk Assessment Methodology for the Petroleum and Petrochemical Industries  
(re reaffirmation of ANSI/API 780-2013)
Public Review Date: Nov 20, 2019 | Final Action Date: Dec 20, 2020 | 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

(reaffirmation of ANSI/API MPMS 14.3.1-2011 (R2021))
Public Review Date: Apr 8, 2022 | Final Action Date: Jul 21, 2022 | Approved

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

(reaffirmation of ANSI/API MPMS Ch. 21.1-2011)
Public Review Date: Feb 19, 2021 | Final Action Date: Jun 3, 2021 | Approved

(revision of ANSI/API MPMS Chapter 14.3, Part 2-2000 (R2011))
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ANSI/API MPMS Chapter 2.2C, 1st Edition-2002 (R2021), Calibration of Upright Cylindrical Tanks Using the Optical-Triangulation Method  
(reaffirm a national adoption ANSI/API MPMS Chapter 2.2C, 1st Edition-2002 (R2015))
Public Review Date: Feb 19, 2021 | Final Action Date: Jun 15, 2021 | Approved

(reaffirm a national adoption ANSI/API MPMS Chapter 2.2E, 1st Edition-2004 (R2015))
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(reaffirm a national adoption ANSI/API MPMS Chapter 2.2F, 1st Edition-2004 (R2015))
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## API (American Petroleum Institute)

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APTech (ASC B65) (Association for Print Technologies)

113 Seaboard Lane, Suite C250, Franklin, TN 37067 | w: www.printtechnologies.org

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

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

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

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

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

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

APTech (ASC CGATS) (Association for Print Technologies)

113 Seaboard Lane, Suite C250, Franklin, TN 37067 | 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.22-2022, Graphic technology — Spectral reflection metrology — Certified reference materials — Documentation and procedures for use, including determination of combined standard uncertainty (new standard)
  PINS Date: Jul 9, 2021 | Public Review Date: Sep 17, 2021 | Final Action Date: Apr 5, 2022 | Approved

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

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

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

  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

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

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- ANSI CGATS/ISO 15930-6-2022, Graphic technology — Prepress digital data exchange using PDF — Part 6: Complete exchange printing data suitable for colour-manage workflows using PDF 1.4 (PDF/X-3) (national adoption of ISO 15930-6 with modifications and revision of ANSI/CGATS/ISO 15930-6-2004 (R2018))
  Public Review Date: Oct 1, 2021 | Final Action Date: Apr 6, 2022 | Approved

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

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

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

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

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

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

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

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

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

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

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

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

ASA (ASC S1) (Acoustical Society of America)

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

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ASA (ASC S1) (Acoustical Society of America)

- ANSI/ASA S1.13-2020, Measurement of Sound Pressure Levels in the Air (new standard)
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- ANSI/ASA S1.15, Part 7-2021/IEC TS 61094-7-2006, Electroacoustics - Measurement microphones - Part 7: Values for the difference between free field and pressure sensitivity levels of laboratory standard microphones (identical national adoption of IEC TS 61094-7:2006)
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- 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
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ASA (ASC S1) (Acoustical Society of America)

- ANSI/ASA S1.20-2012 (R2020), Procedures for Calibration of Underwater Electroacoustic Transducers (reaffirmation of ANSI/ASA S1.20-2012)
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- ANSI/ASA S1.22-2021/IEC 60263-2020, Scales and sizes for plotting frequency characteristics and polar diagrams (identical national adoption of IEC 60263:2020)
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- ANSI/ASA S1.6-2020, Preferred Frequencies and Filter Band Center Frequencies for Acoustical Measurements (reaffirmation of ANSI ASA S1.6-2016)
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- ANSI/ASA S1.8-2016 (R2020), Reference Values for Levels Used in Acoustics and Vibrations (reaffirmation of ANSI/ASA S1.8-2016)
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ASA (ASC S12) (Acoustical Society of America)

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- ANSI/ASA S12.2-2019, Criteria for Evaluating Room Noise (new standard)
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- ANSI/ASA S12.51-2012/ISO 3741-2010 (R2020), Acoustics - Determination of sound power levels and sound energy levels of noise sources using sound pressure - Precision methods for reverberation test rooms (reaffirm a national adoption ANSI ASA S12.51-2012/ISO 3741-2010 (R2017))
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- ANSI/ASA S12.54-2011/ISO 3744-2010 (R2020), Acoustics - Determination of sound power levels and sound energy levels of noise sources using sound pressure - Engineering methods for an essentially free field over a reflecting plane (reaffirm a national adoption ANSI/ASA S12.54-2011/ISO 3744-2010 (R2016))
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- ANSI/ASA S12.6-2016 (R2020), Methods for Measuring the Real-Ear Attenuation of Hearing Protectors  (reaffirmation of ANSI/ASA S12.6-2016)
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- ANSI/ASA S12.61-2020, Declaration and Verification of Noise Emission Values of Machinery, Equipment, and Products  (new standard)
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ASA (ASC S12) (Acoustical Society of America)

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ASA (ASC S2) (Acoustical Society of America)

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

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

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

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

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ASA (ASC S2) (Acoustical Society of America)

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- ANSI/ASA S2.31-1979 (R2020), Standard Methods for the Experimental Determination of Mechanical Mobility, Part 1: Basic Definitions and Transducers (reaffirmation of ANSI/ASA S2.31-1979 (R2020))
  Public Review Date: Apr 3, 2020 | Final Action Date: Jun 19, 2020 | Approved

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

- ANSI/ASA S2.46-1989 (R2020), Standard Characteristics to be Specified for Seismic Transducers (reaffirmation of ANSI/ASA S2.46-1989 (R2015))
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- ANSI/ASA S2.70-2006 (R2020), Guide for the Measurement and Evaluation of Human Exposure to Vibration Transmitted to the Hand (reaffirmation of ANSI/ASA S2.70-2006 (R2016))
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- ANSI/ASA S2.75-2017/Part 2 (R2020), Shaft Alignment Methodology, Part 2: Vocabulary (reaffirmation of ANSI/ASA S2.75-2017/Part 2)
  Public Review Date: Apr 3, 2020 | Final Action Date: Jun 19, 2020 | Approved

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

- ANSI/ASA S2.8-2007 (R2020), Technical Information Used for Resilient Mounting Applications (reaffirmation of ANSI/ASA S2.8-2007 (R2017))
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ASA (Acoustical Society of America)

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- ANSI/ASA S2.9-2008 (R2018), Parameters for Specifying Damping Properties of Materials and System Damping (reaffirmation of ANSI/ASA S2.9-2008 (R2013))
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ASA (Acoustical Society of America)

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- ANSI/ASA S3.22-2014 (R2020), Specification of Hearing Aid Characteristics (reaffirmation of ANSI S3.22-2014)
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- ANSI/ASA S3.36-2012 (R2018), Specification for a Manikin for Simulated in-situ Airborne Acoustic Measurements (reaffirmation of ANSI/ASA S3.36-2012)
  Public Review Date: Nov 17, 2017 | Final Action Date: Jan 17, 2018 | Approved

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- ANSI/ASA S3.4-2007 (R2020), Procedure for the Computation of Loudness of Steady Sounds (reaffirmation of ANSI/ASA S3.4-2007 (R2017))
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ASA (ASC S3) (Acoustical Society of America)

- ANSI/ASA S3.41-2015 (R2020), Audible Emergency Evacuation (E2) and Evacuation Signals with Relocation Instructions (ESRI) (reaffirmation of ANSI ASA S3.41-2015)
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- ANSI/ASA S3.5-1997 (R2020), Methods for Calculation of the Speech Intelligibility Index (reaffirmation of ANSI/ASA S3.5-1997 (R2017))
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- ANSI/ASA S3.52-2016 (R2020), Measurements of the Threshold of Hearing and Signal Detectability in a Sound Field (reaffirmation of ANSI ASA S3.52-2016)
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ASA (Acoustical Society of America)

- 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)
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- ANSI/ASA S3.71-2019, Methods for Measuring the Effect of Head-worn Devices on Directional Sound Localization in the Horizontal Plane (new standard)
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ASABE (American Society of Agricultural and Biological Engineers)

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

- ANSI/ASABE AD10448-NOV2014 (R2018), Agricultural tractors Hydraulic pressure for implements (reaffirm a national adoption ANSI/ASABE AD10448-2014)
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- ANSI/ASABE AD11684-1995 APR2011 (R2021), Tractors, machinery of agriculture and forestry, powered lawn and garden equipment - Safety signs and hazard pictorials - General principles (reaffirmation of ANSI/ASABE AD11684-1995 APR2011 (R2016))
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- ANSI/ASABE AD26322-2-JUN2017 (R2022), Tractors for agriculture and forestry - Safety - Part 2: Narrow-track and small tractors (reaffirm a national adoption ANSI/ASABE AD26322-2-JUN2017)
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- ANSI/ASABE AD3600:2016 (R2021), Tractors, machinery of agriculture and forestry, powered lawn and garden equipment - Operators manuals - Content and format (reaffirm a national adoption ANSI/ASABE AD3600:2016)
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<td>Agricultural machinery - Safety - Part 6: Sprayers and liquid fertilizer distributors</td>
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<td>Oct 30, 2020</td>
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<td>ANSI/ASABE AD5674-2004 SEP2015 (R2019)</td>
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ANSI/ASABE D606-2020, Properties and Relationships for Distillers Dried Grains with Solubles (DDGS) (new standard)
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ANSI/ASABE S588.1-NOV16 (R2020), Uniform Terminology for Air Quality (reaffirmation of ANSI/ASABE S588.1-NOV16)
Public Review Date: Oct 2, 2020 | Final Action Date: Nov 17, 2020 | Approved

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

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

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### ANSI/ASABE S625.1-JUL2018, Drawbar Pin Dimensions and Requirements for Towing Machine with Clevis
- **PINS Date:** May 8, 2015
- **Public Review Date:** Apr 20, 2018
- **Final Action Date:** Jul 27, 2018
- **Status:** Approved

### ANSI/ASABE S626-SEPT2016 (R2020), Landscape Irrigation System Uniformity and Application Rate Testing
- **PINS Date:** Nov 25, 2011
- **Public Review Date:** Jul 10, 2020
- **Final Action Date:** Dec 1, 2020
- **Status:** Approved

### ANSI/ASABE S627 DEC-2020, Weather-based Landscape Irrigation Control Systems
- **PINS Date:** Nov 25, 2011
- **Public Review Date:** Jul 10, 2020
- **Final Action Date:** Dec 1, 2020
- **Status:** Approved

### ANSI/ASABE S629-2016 (R2021), Framework to Evaluate the Sustainability of Agricultural Production Systems
- **PINS Date:** Sep 28, 2018
- **Public Review Date:** Nov 9, 2018
- **Final Action Date:** Feb 5, 2019
- **Status:** Approved

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

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

### ANSI/ASABE S633 MONYEAR-2020, Testing Protocol for Landscape Irrigation Soil Moisture-Based Control Technologies
- **PINS Date:** Mar 29, 2013
- **Public Review Date:** Feb 21, 2020
- **Final Action Date:** May 11, 2020
- **Status:** Approved

### ANSI/ASABE S638-MAY2018, Pintle Hitch and Ring for Over the Road Towed Implements
- **PINS Date:** Apr 3, 2015
- **Public Review Date:** Feb 23, 2018
- **Final Action Date:** May 21, 2018
- **Status:** Approved

### ANSI/ASABE S640 JUL2017 (R2022), Quantities and Units of Electromagnetic Radiation for Plants (Photosynthetic Organisms)
- **PINS Date:** Sep 28, 2018
- **Public Review Date:** Nov 9, 2018
- **Final Action Date:** Feb 5, 2019
- **Status:** Approved

### ANSI/ASABE S641-MAY2018, Drop Size Classification of Aerial Application Nozzles
- **PINS Date:** Apr 3, 2015
- **Public Review Date:** Feb 23, 2018
- **Final Action Date:** May 21, 2018
- **Status:** Approved

### ANSI/ASABE S642-SEPT2018, Recommended Methods for Measurement and Testing of LED Products for Plant Growth and Development
- **PINS Date:** Jun 19, 2015
- **Public Review Date:** Apr 20, 2018
- **Final Action Date:** Sep 21, 2018
- **Status:** Approved

### ANSI/ASABE S647-OCT2018, Seed Cotton Module Identification System
- **PINS Date:** Nov 6, 2015
- **Public Review Date:** Jul 20, 2018
- **Final Action Date:** Oct 22, 2018
- **Status:** Approved

### ANSI/ASABE S648-1 MONYEAR-2020, Agricultural Field Equipment Braking – Part 1: General Requirements
- **PINS Date:** Feb 2, 2018
- **Public Review Date:** Nov 8, 2019
- **Final Action Date:** Mar 19, 2020
- **Status:** Approved

### ANSI/ASABE S648-2 MONYEAR-2020, Agricultural Field Equipment Braking – Part 2: Requirements for Agricultural Tractors
- **PINS Date:** Feb 2, 2018
- **Public Review Date:** Nov 8, 2019
- **Final Action Date:** Mar 19, 2020
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- ANSI/ASABE S648-4.1-2021, Agricultural Field Equipment Braking — Part 4: Requirements for Towed Vehicles
  (revision and redesignation of ANSI/ASABE S648-4 MONYEAR-2020)
  PINS Date: Jan 1, 2021 | Public Review Date: Apr 9, 2021 | Final Action Date: Nov 17, 2021 | Approved

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

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

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

  PINS Date: Aug 6, 2021 | Public Review Date: Apr 8, 2022 | Final Action Date: Jul 14, 2022 | Approved

  Public Review Date: Apr 8, 2022 | Final Action Date: Jul 14, 2022 | Approved

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  (reaffirm a national adoption ANSI/ASABE/ISO 12188-2-2015)
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  (reaffirm a national adoption ANSI/ASABE/ISO 14269-2-2006 (R2017))
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  PINS Date: Apr 9, 2021 | Public Review Date: Aug 13, 2021 | Final Action Date: Nov 12, 2021 | Approved

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

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

  Public Review Date: Jul 17, 2020 | Final Action Date: Sep 4, 2020 | Approved
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- ANSI/ASABE/ISO 3767-2:APR17 (R2022), Tractors, machinery for agriculture and forestry, powered lawn and garden equipment – Symbols for operator controls and other displays – Part 2: Symbols for agricultural tractors and machinery (reaffirm a national adoption ANSI/ASABE/ISO 3767-2:APR17)
  Public Review Date: Nov 19, 2021 | Final Action Date: Mar 31, 2022 | Approved

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

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

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- ANSI/ASABE/NFBA S618 DEC2010 (R2020), Post Frame Building system Nomenclature (reaffirmation and redesignation of ANSI/ASABE S618 DEC2010 (R2016))
  Public Review Date: Oct 9, 2020 | Final Action Date: Nov 30, 2020 | Approved
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ANSI/ASAE S229.6-DEC1976 (R2017), Baling Wire for Automatic Balers (reaffirmation of ANSI/ASAE S229.6-DEC1976 (R2012))  
Public Review Date: Nov 3, 2017 | Final Action Date: Dec 21, 2017 | Approved

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

ANSI/ASAE S276.8 APR2016 (R2020) Cor 1, Slow-Moving Vehicle Identification Emblem (SMV Emblem) (reaffirmation of ANSI/ASABE S276.8-2016)  
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ANSI/ASAE S279.18 MONYEAR-2019, Lighting and Marking of Agricultural Equipment on Highways (revision and redesignation of ANSI/ASAE S279.17-2013 (R2017))  
PINS Date: Feb 24, 2017 | Public Review Date: Apr 19, 2019 | Final Action Date: Oct 14, 2019 | Approved

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

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

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

ANSI/ASAE S318.18-JUN2017, Safety for Agricultural Field Equipment (revision and redesignation of ANSI/ASAE S318.17-2009)  
PINS Date: Mar 28, 2014 | Public Review Date: Jan 20, 2017 | Final Action Date: Jun 28, 2017 | Approved

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

ANSI/ASAE S338.5 MAY2006 (R2020), Field Equipment for Agriculture — Safety Chain for Towed Equipment (reaffirmation of ANSI/ASAE S338.5 MAY2006 (R2016))  
Public Review Date: Oct 30, 2020 | Final Action Date: Dec 17, 2020 | Approved
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ASABE (American Society of Agricultural and Biological Engineers)

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- ANSI/ASAE/NFBA EP486.3-2017 (R2021), Shallow Post and Pier Foundation Design (reaffirmation and redesignation of ANSI/ASAE EP486.3-2017)
  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

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ASC X9 (Accredited Standards Committee X9, Incorporated)

- ANSI X9.100-10-2021, Paper for MICR Documents (revision of ANSI X9.100-10-2016)
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- ANSI X9.100-130-2011 (R2017), Universal Interbank Batch/Bundle Ticket (reaffirmation of ANSI X9.100-130-2011)
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- 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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ASC X9 (Accredited Standards Committee X9, Incorporated)

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- ANSI X9.100-170-2010 (R2017), Check Fraud Deterrent Icon (reaffirmation of ANSI X9.100-170-2010)
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- ANSI X9.100-189-2019, Savings Bond Paying Agent Virtual Stamp (new standard)
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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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ASCA (Accredited Snow Contractors Association)

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

ASCE (American Society of Civil Engineers)

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

- ANSI/ASCE/CI 71-2021, Identifying, Quantifying, and Proving Loss of Productivity (new standard)
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  PINS Date: Nov 30, 2012 | Public Review Date: Dec 28, 2012 | Final Action Date: Apr 24, 2013 | Approved

- ANSI/ASCE/EWRI 39-2015, Guidelines for Operational Hail Suppression Programs (new standard)
  PINS Date: Jan 24, 2014 | Public Review Date: Sep 26, 2014 | Final Action Date: Mar 5, 2015 | Approved
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- ANSI/ASCE/EWRI 54-2016, Standard Guideline for the Geostatistical Estimation and Block-Averaging of Homogeneous and Isotropic Saturated Hydraulic Conductivity (new standard)
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- ANSI/ASCE/EWRI 63-2016, Standard Guidelines for the Installation of Stormwater Impoundments (new standard)
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- ANSI/ASCE/EWRI 64-2016, Standard Guidelines for the Operation and Maintenance of Stormwater Impoundments (new standard)
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- ANSI/ASCE/EWRI 65-2016, Calculation of the Saturated Hydraulic Conductivity of Fine-Grained Soils (new standard)
PINS Date: Jan 22, 2016 | Public Review Date: Jun 3, 2016 | Final Action Date: Nov 16, 2016 | Approved

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

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

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

  Public Review Date: Mar 16, 2007 | Final Action Date: Jun 28, 2007 | Approved

- ANSI/ASHRAE 135.1i-2011, Method of Test for Conformance to BACnet (addenda to ANSI/ASHRAE Standard 135.1-2009)
  Public Review Date: Sep 10, 2010 | Final Action Date: Feb 3, 2011 | Approved

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

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

- ANSI/ASHRAE 135.1r-2018, Method of Test for Conformance to BACnet (addenda to ANSI/ASHRAE Standard 135.1-2013)
  Public Review Date: Jan 27, 2017 | Final Action Date: Jun 1, 2018 | Approved

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| ANSI/ASHRAE 158.2-2018, Methods of Testing Capacity of Refrigerant Pressure Regulators  (revision of ANSI/ASHRAE Standard 158.2-2011)  
PINS Date: Feb 13, 2015  | Public Review Date: Dec 1, 2017  | Final Action Date: Aug 1, 2018  | Approved |
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Public Review Date: May 6, 2016  | Final Action Date: Jun 30, 2016  | Approved |
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- ANSI/ASHRAE 34v-2016, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2013)
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- ANSI/ASHRAE 34x-2016, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2013)
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- ANSI/ASHRAE 34y-2016, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2013)
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- ANSI/ASHRAE 34z-2012, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2010)
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- ANSI/ASHRAE 34z-2016, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2013)
  Public Review Date: Feb 26, 2016 | Final Action Date: Jun 30, 2016 | Approved

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

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

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

- ANSI/ASHRAE 52.2e-2016, Method of Testing General Ventilation Air Cleaning Devices for Removal Efficiency by Particle Size (addenda to ANSI/ASHRAE Standard 52.2-2012)
  Public Review Date: Oct 2, 2015 | Final Action Date: Mar 1, 2016 | Approved

- ANSI/ASHRAE 52.2f-2016, Method of Testing General Ventilation Air Cleaning Devices for Removal Efficiency by Particle Size (addenda to ANSI/ASHRAE Standard 52.2-2012)
  Public Review Date: Oct 2, 2015 | Final Action Date: Mar 1, 2016 | Approved

- ANSI/ASHRAE 52.2g-2016, Method of Testing General Ventilation Air Cleaning Devices for Removal Efficiency by Particle Size (addenda to ANSI/ASHRAE Standard 52.2-2012)
  Public Review Date: Oct 2, 2015 | Final Action Date: Dec 30, 2016 | Approved

- ANSI/ASHRAE 52.2i-2016, Method of Testing General Ventilation Air Cleaning Devices for Removal Efficiency by Particle Size (addenda to ANSI/ASHRAE Standard 52.2-2012)
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- ANSI/ASHRAE Addendum 135.1g-2011, Method of Test for Conformance to BACnet (addenda to ANSI/ASHRAE Standard 135.1-2009)
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- ANSI/ASHRAE Addendum 135.1h-2011, Method of Test for Conformance to BACnet (addenda to ANSI/ASHRAE Standard 135.1-2009)
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- ANSI/ASHRAE Addendum 34n-2015, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2013)
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- ANSI/ASHRAE Addendum 34p-2012, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2010)
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- ANSI/ASHRAE Addendum 34q-2012, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2010)
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- ANSI/ASHRAE Addendum 34r-2012, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2010)
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- ANSI/ASHRAE Addendum 34s-2012, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2010)
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- ANSI/ASHRAE Addendum 34t-2012, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2010)
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- ANSI/ASHRAE Addendum 34u-2012, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2010)
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<td>ANSI/ASHRAE Standard 103-2022, Method of Testing for Annual Fuel Utilization Efficiency of Residential Central Furnaces and Boilers</td>
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ASHRAE (American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.)

  PINS Date: Oct 20, 2017 | Public Review Date: Oct 16, 2020 | Final Action Date: Dec 6, 2021 | Approved

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  PINS Date: Jul 24, 2015 | Public Review Date: Aug 28, 2015 | Final Action Date: Dec 31, 2015 | Approved

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

- ANSI/ASHRAE Standard 127-2020, Method of Testing for Rating Air Conditioning Units Serving Data Center (DC) and Other Information Technology Equipment (ITE) Spaces (revision of ANSI/ASHRAE Standard 127-2012)
  PINS Date: Oct 18, 2013 | Public Review Date: Mar 27, 2020 | Final Action Date: Nov 30, 2020 | Approved

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


- **ANSI/ASHRAE Standard 160-2016**, Criteria for Moisture-Control Design Analysis in Buildings (new standard)<br>PINS Date: Jan 19, 1996 | Public Review Date: Sep 12, 2008 | Final Action Date: Jan 29, 2009 | Approved
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- Public Review Date: Mar 18, 2016 | Final Action Date: Aug 1, 2016 | Approved

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### ANSI/ASHRAE Standard 161-2018, Air Quality Within Commercial Aircraft (new standard)
- PINS Date: Jan 19, 1996 | Public Review Date: Sep 22, 2006 | Final Action Date: Apr 2, 2008 | Approved

- Public Review Date: Jul 15, 2016 | Final Action Date: Mar 2, 2017 | Approved

### ANSI/ASHRAE Standard 164.1-2012 (R2016), Method of Test for Residential Central-System Humidifiers (reaffirmation of ANSI/ASHRAE Standard 164.1-2012)
- Public Review Date: Aug 28, 2015 | Final Action Date: Dec 31, 2015 | Approved

### ANSI/ASHRAE Standard 164.2-2012 (R2016), Method of Test for Self-Contained Residential Humidifiers (reaffirmation of ANSI/ASHRAE Standard 164.2-2012)
- Public Review Date: Aug 28, 2015 | Final Action Date: Dec 31, 2015 | Approved

### ANSI/ASHRAE Standard 164.3-2015, Method of Test for Commercial and Industrial Isothermal Humidifiers (new standard)
- PINS Date: Jan 19, 1996 | Public Review Date: Apr 25, 2014 | Final Action Date: Mar 2, 2015 | Approved

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

### ANSI/ASHRAE Standard 169-2013, Weather Data for Building Design Standards (new standard)
- PINS Date: Apr 11, 1997 | Public Review Date: Sep 23, 2005 | Final Action Date: Jan 27, 2006 | Approved

- PINS Date: Feb 17, 2012 | Public Review Date: Oct 3, 2014 | Final Action Date: Feb 2, 2015 | Approved

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

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

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

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

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

- ANSI/ASHRAE Standard 199-2016, Method of Testing the Performance of Industrial Pulse Cleaned Dust Collectors (new standard)
  PINS Date: Feb 20, 2009 | Public Review Date: Nov 13, 2015 | Final Action Date: Jun 1, 2016 | Approved

  PINS Date: Jul 24, 2009 | Public Review Date: Apr 6, 2018 | Final Action Date: Jan 4, 2019 | Approved

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

  - Public Review Date: Mar 18, 2016 | Final Action Date: Jul 27, 2016 | Approved

- **ANSI/ASHRAE Standard 34g-2018, Designation and Safety Classification of Refrigerants** (addenda to ANSI/ASHRAE Standard 34-2016)
  - Public Review Date: Mar 16, 2018 | Final Action Date: Jun 28, 2018 | Approved

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  Final Action Date: Jul 24, 2001 | Approved

- ANSI/ASHRAE Standard 90.4-2019, Energy Standard for Data Centers (new standard)
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- ANSI/ASHRAE/ASHE Addendum c to ANSI/ASHRAE/ASHE Standard 189.3-2021, Design, Construction, and Operation of Sustainable High-Performance Health Care Facilities (addenda to ANSI/ASHRAE/ASHE Standard 189.3 -2021)
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ASHRAE (American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.)

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  (addenda to ANSI/ASHRAE/IESNA Standard 90.1-2007)
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- ANSI/ASHRAE/IESNA Addendum g to ANSI/ASHRAE/IESNA 90.1-2007, Energy Standard for Buildings Except Low-
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ASIS (ASIS International)
1625 Prince Street, Alexandria, VA 22314-2818 | w: www.asisonline.org

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

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

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

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

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

  PINS Date: Jun 3, 2014 | Public Review Date: Jan 3, 2014 | Final Action Date: Mar 28, 2014 | Approved

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

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

ASME (American Society of Mechanical Engineers)

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

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

- ANSI/API 579-1/ASME FFS-1-2021, Fitness-For-Service (revision of ANSI/API 579-1/ASME FFS-1-2016)
  PINS Date: Jul 4, 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 (R2022), Air Gaps in Plumbing Systems (For Plumbing Fixtures and Water-Connected Receptors) (reaffirmation of ANSI/ASME A112.1.2-2012 (R2017))
  Public Review Date: Mar 11, 2022 | Final Action Date: May 17, 2022 | Approved

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

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

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

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

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

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

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

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

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

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

ANSI/ASME B16.18-2021, Cast Copper Alloy Solder Joint Pressure Fittings (revision of ANSI/ASME B16.18-2018)
Public Review Date: Sep 17, 2021 | Final Action Date: Nov 12, 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 Valves Classes 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

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ASME (American Society of Mechanical Engineers)

- ANSI/ASME B16.3-2021, Malleable Iron Threaded Fittings Classes 150 and 300 (revision of ANSI/ASME B16.3-2016)
  - Public Review Date: Sep 17, 2021 | Final Action Date: Nov 15, 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

  - Public Review Date: Aug 5, 2016 | Final Action Date: Mar 9, 2017 | Approved

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

  - PINS Date: Aug 30, 2019 | Public Review Date: Oct 11, 2019 | Final Action Date: Dec 23, 2019 | Approved

- ANSI/ASME B16.4-2021, Gray Iron Threaded Fittings Classes 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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  - Public Review Date: Aug 5, 2016 | Final Action Date: Feb 14, 2017 | Approved
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  PINS Date: Jun 22, 2018 | Public Review Date: May 1, 2020 | Final Action Date: Jul 6, 2020 | Approved

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

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

  Public Review Date: Oct 8, 2021 | Final Action Date: Jan 4, 2022 | Approved

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

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

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

  Public Review Date: Aug 20, 2021 | Final Action Date: Oct 28, 2021 | Approved

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

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

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  - PINS Date: Nov 11, 2016 | Public Review Date: Apr 17, 2020 | Final Action Date: Jun 19, 2020 | Approved

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

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

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

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  - revision of ANSI/ASME B18.8.2-2000 (R2010))
  - PINS Date: Jul 14, 2017 | Public Review Date: Feb 7, 2020 | Final Action Date: Apr 16, 2020 | Approved

  - 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)
  - Public Review Date: Mar 24, 2017 | Final Action Date: May 25, 2017 | Approved

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

- **ANSI/ASME B27.7-1977** (S2021), General Purpose Tapered and Reduced Cross Section Retaining Rings (Metric)
  - stabilized maintenance of ANSI/ASME B27.7-1977 (R2017))
  - Public Review Date: Oct 8, 2021 | Final Action Date: Jan 4, 2022 | Approved

- **ANSI/ASME B29.1-2011** (R2022), Precision Power Transmission Roller Chains, Attachments, and Sprockets
  - reaffirmation of ANSI/ASME B29.1-2011 (R2016)
  - Public Review Date: Oct 22, 2021 | Final Action Date: Jan 7, 2022 | Approved

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ANSI/ASME B29.15M-1997 (R2021), Steel Roller Type Conveyor Chains, Attachments, And Sprocket Teeth (reaffirmation of ANSI/ASME B29.15M-1997 (R2017))
Public Review Date: Oct 8, 2021 | Final Action Date: Dec 10, 2021 | Approved

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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 B5.11-1964 (R2018), Spindle Noses and Adjustable Adaptors for Multiple Spindle Drilling Heads
(reaffirmation of ANSI/ASME B5.11-1964 (R2013))

- Public Review Date: Mar 30, 2018
- Final Action Date: Aug 13, 2018
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#### ANSI/ASME B5.18-1972 (S2019), Spindle Noses and Tool Shanks for Milling Machines
(stabilized maintenance of ANSI/ASME B5.18-1972 (R2014))

- Public Review Date: Jan 4, 2019
- Final Action Date: Mar 22, 2019
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#### ANSI/ASME B5.1M-1985 (S2019), T-Slots – Their Bolts, Nuts, and Tongues
(stabilized maintenance of ANSI/ASME B5.1M-1985 (R2014))

- Public Review Date: Feb 22, 2019
- Final Action Date: May 21, 2019
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#### ANSI/ASME B5.35-1983 (R2018), Machine Mounting Specifications for Abrasive Discs and Plate Mounted Wheels
(reaffirmation of ANSI/ASME B5.35-1983 (R2013))

- Public Review Date: Mar 30, 2018
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#### ANSI/ASME B5.40-1977 (S2019), Spindle Noses and Tool Shanks for Horizontal Boring Machines
(stabilized maintenance of ANSI/ASME B5.40-1977 (R2013))

- Public Review Date: Jan 4, 2019
- Final Action Date: Mar 22, 2019
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#### ANSI/ASME B5.47-1972 (R2018), Milling Machine Arbor Assemblies
(reaffirmation of ANSI/ASME B5.47-1972 (R2013))

- Public Review Date: Mar 30, 2018
- Final Action Date: Aug 13, 2018
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#### ANSI/ASME B5.48-1977 (S2018), Ball Screws
(stabilized maintenance of ANSI/ASME B5.48-1977 (R2013))

- Public Review Date: Apr 6, 2018
- Final Action Date: Aug 21, 2018
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#### ANSI/ASME B5.50-2015, 7/24 Taper Tool to Spindle Connection for Automatic Tool Change
(revision of ANSI/ASME B5.50-2009)

- PINS Date: Nov 29, 2013
- Public Review Date: Mar 13, 2015
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#### ANSI/ASME B5.52-2003 (R2019), Power Presses - General Purpose Single Gap Type
(reaffirmation of ANSI/ASME B5.52-2003 (R2014))

- Public Review Date: Mar 22, 2019
- Final Action Date: May 23, 2019
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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
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(stabilized maintenance of ANSI/ASME B5.55M-1994 (R2013))

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(reaffirm a national adoption ANSI/ASME B5.56M-1994 (R2014))

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#### ANSI/ASME B5.57-2012 (R2022), Methods for Performance Evaluation of Computer Numerically Controlled Lathes and Turning Centers
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- Final Action Date: Jun 23, 2022
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#### ANSI/ASME B5.60-2014 (R2019), Workholding Chucks: Jaw Type Chucks
(reaffirmation of ANSI/ASME B5.60-2014)

- Public Review Date: Apr 19, 2019
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#### ANSI/ASME B5.61-2003 (R2019), Power Presses - General Purpose Single Action Straight Side Type
(reaffirmation of ANSI/ASME B5.61-2003 (R2014))

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

- ANSI/ASME B5.8-2001 (S2022), Chucks and Chuck Jaws (stabilized maintenance of ANSI/ASME B5.8-2001 (R2016))  
  Public Review Date: Apr 15, 2022 | Final Action Date: Jun 24, 2022 | 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 B73.3-2022, Specification for Sealless Horizontal End Suction Metallic Centrifugal Pumps for Chemical Process (revision of ANSI/ASME B73.3-2015)  
  Public Review Date: May 13, 2022 | Final Action Date: Jul 25, 2022 | Approved

- ANSI/ASME B89.1.10M-2001 (R2021), Dial Indicators for Linear Measurements (reaffirmation of ANSI/ASME B89.1.10M-2001 (R2016))  
  Public Review Date: Aug 20, 2021 | Final Action Date: Oct 28, 2021 | Approved

- ANSI/ASME B89.1.13-2013, Micrometers (revision of ANSI/ASME B89.1.13-2001 (R2006))  
  PINS Date: Mar 11, 2011 | Public Review Date: Nov 30, 2012 | Final Action Date: Feb 20, 2013 | Approved

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

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

- ANSI/ASME B89.1.6-2002 (R2017), Measurement of Plain Internal Diameter for Use as Master Ring or Ring Gauges (reaffirmation of ANSI/ASME B89.1.6-2002 (R2012))  
  Public Review Date: Aug 4, 2017 | Final Action Date: Oct 11, 2017 | Approved

- ANSI/ASME B89.1.7-2009 (R2019), Performance Standard For Steel Measuring Tapes (reaffirmation of ANSI/ASME B89.1.7-2009 (R2014))  
  Public Review Date: Nov 30, 2018 | Final Action Date: Feb 27, 2019 | Approved

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

- ANSI/ASME B89.1.9-2002 (R2012), Gage Blocks (reaffirmation of ANSI/ASME B89.1.9-2002 (R2007))  
  Public Review Date: Sep 14, 2012 | Final Action Date: Nov 29, 2012 | Approved
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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))
  Public Review Date: May 31, 2019 | Final Action Date: Aug 1, 2019 | Approved

- ANSI/ASME B89.3.7-2013 (R2018), Granite Surface Plates (reaffirmation of ANSI/ASME B89.3.7-2013)
  Public Review Date: Apr 27, 2018 | Final Action Date: Jul 20, 2018 | Approved

- ANSI/ASME B89.4.10-2021, Methods for Performance Evaluation of Coordinate Measuring System Software (revision of ANSI/ASME B89.4.10-2000 (R2011))
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- ANSI/ASME B89.4.22-2004 (R2019), Methods for Performance Evaluation of Articulated Arm Coordinate Measuring Machines (CMM) (reaffirmation of ANSI/ASME B89.4.22-2004 (2014))
  Public Review Date: Nov 30, 2018 | Final Action Date: Mar 8, 2019 | Approved

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

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

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

- ANSI/ASME B89.7.3.1-2001 (R2019), Guidelines For Decision Rules: Considering Measurement Uncertainty in Determining Conformance to Specifications (reaffirmation of ANSI/ASME B89.7.3.1-2001 (R2011))
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- ANSI/ASME B89.7.3.3-2002 (R2022), Guidelines for Assessing the Reliability of Dimensional Measurement Uncertainty Statements (reaffirmation of ANSI/ASME B89.7.3.3-2002 (R2017))
  Public Review Date: May 13, 2022 | Final Action Date: Jul 29, 2022 | Approved

- ANSI/ASME B89.7.6-2019, Guidelines for the Evaluation of Uncertainty of Test Values Associated with the Verification of Dimensional Measuring Instruments to their Accuracy Specifications (new standard)
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- ANSI/ASME B94.35-1972 (R2020), Drill Drivers, Split-sleeve, Collet Type (reaffirmation of ANSI/ASME B94.35-1972 (R2015))
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- ANSI/ASME B94.51M-2010 (S2016), Specifications for Band Saw Blades (Metal Cutting) (stabilized maintenance of ANSI/ASME B94.51M-2010 (R2015))
  Public Review Date: Feb 5, 2016 | Final Action Date: May 18, 2016 | Approved

- ANSI/ASME B94.52M-1999 (S2016), Specifications for Hacksaw Blades (stabilized maintenance of ANSI/ASME B94.52M-1999 (R2015))
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- ANSI/ASME B94.6-1984 (S2016), Knurling (stabilized maintenance of ANSI/ASME B94.6-1984 (R2014))
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- ANSI/ASME B94.7-1980 (S2016), Hobs (stabilized maintenance of ANSI/ASME B94.7-1980 (R2015))
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- ANSI/ASME B94.9-2008 (R2018), Taps: Ground and Cut Threads with Cut Thread Appendix (Inch and Metric Sizes) (reaffirmation of ANSI/ASME B94.9-2008 (R2013))
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- ANSI/ASME BPE-2016, Bioprocessing Equipment (revision of ANSI/ASME BPE-2014)
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- ANSI/ASME BPE-2019, Bioprocessing Equipment (revision of ANSI/ASME BPE-2014)
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- ANSI/ASME BPVC Section I-2021, Rules for Construction of Power Boilers (revision of ANSI/ASME BPVC Section I-2019)
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- ANSI/ASME BPVC Section II-2019 (Parts A, B, and D), Part A - Ferrous Material Specifications; Part B - Nonferrous Material Specifications; Part D - Materials Properties (revision of ANSI/ASME BPVC Section II-2017 (Parts A, B, and D))
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- ANSI/ASME BPVC Section III-2021, Rules for Construction of Nuclear Facility Components (revision of ANSI/ASME BPVC Section III-2019)
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- ANSI/ASME BPVC Section IV-2021, Rules for Construction of Heating Boilers (revision of ANSI/ASME BPVC Section IV-2019)
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- ANSI/ASME BPVC Section IX-2021, Welding, Brazing and Fusing Qualifications (revision of ANSI/ASME BPVC Section IX-2019)
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### ANSI/ASME BPVC Section V-2019, Nondestructive Examination
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### ANSI/ASME BPVC Section VI-2017, Recommended Rules for the Care and Operation of Heating Boilers
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### ANSI/ASME BPVC Section VII-2019, Recommended Guidelines for the Care of Power Boilers
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### ANSI/ASME BPVC Section VII-2021, Recommended Guidelines for the Care of Power Boilers
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### ANSI/ASME BPVC Section VIII-2019, Rules for Construction of Pressure Vessels
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### ANSI/ASME BPVC Section VIII-2021, Rules for Construction of Pressure Vessels
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### ANSI/ASME BPVC Section X-2017, Fiber-Reinforced Plastic Pressure Vessels
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### ANSI/ASME BPVC Section X-2019, Fiber-Reinforced Plastic Pressure Vessels
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### ANSI/ASME BPVC Section X-2021, Fiber-Reinforced Plastic Pressure Vessels
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### ANSI/ASME BPVC Section XI-2019, Rules for Inservice Inspection of Nuclear Power Plant Components
- **Revision of:** ANSI/ASME BPVC Section XI-2017
- 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
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### ANSI/ASME BPVC Section XII-2017, Rules for Construction and Continued Service of Transport Tanks
- **Revision of:** ANSI/ASME BPVC Section XII-2015
- Public Review Date: Dec 23, 2016 | Final Action Date: Apr 11, 2017 | **Approved**
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<td>(new standard)</td>
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ASME (American Society of Mechanical Engineers)

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- ANSI/ASME MBE-1-2022, Framework (new standard)
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- ANSI/ASME MFC-5.3-2013 (R2018), Measurement of Liquid Flow in Closed Conduits Using Doppler Ultrasonic Flowmeters (reaffirmation of ANSI/ASME MFC-5.3-2013)
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- ANSI/ASME NM-3-2018, Nonmetallic Materials (new standard)
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<td>ANSI/ASME NUM-1-2016</td>
<td>Rules for Construction of Cranes, Monorails, and Hoists (with Bridge or Trolley or Hoist of the Underhung Type) (revision of ANSI/ASME NUM-1-2009)</td>
<td>Dec 25, 2015</td>
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ASME (American Society of Mechanical Engineers)

- ANSI/ASME PTC 19.6-2018, Electrical Power Measurements (new standard)
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- ANSI/ASME PTC 31-2011 (R2017), High-Purity Water Treatment System (reaffirmation of ANSI/ASME PTC 31-2011)
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- ANSI/ASME PTC 4-2013, Fired Steam Generators (revision of ANSI/ASME PTC 4-2008)
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- ANSI/ASME PTC 4.4-2008 (R2013), Gas Turbine Heat Recovery Steam Generators (reaffirmation of ANSI/ASME PTC 4.4-2008)
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- ANSI/ASME PTC 46-2015, Overall Plant Performance (new standard)
  PINS Date: Nov 7, 2008 | Public Review Date: Apr 24, 2015 | Final Action Date: Sep 25, 2015 | Approved

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

ASNT (American Society for Nondestructive Testing)

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

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

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

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

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

ASPE (American Society of Plumbing Engineers)

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

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

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

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

  PINS Date: Nov 13, 2020 | Public Review Date: Jan 8, 2021 | Final Action Date: Feb 25, 2021 | Approved
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ASQ (ASC Z1) (American Society for Quality)

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

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  PINS Date: Jan 6, 2006 | Public Review Date: Mar 31, 2006 | Final Action Date: May 25, 2006 | Approved

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

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

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

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

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

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

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

  PINS Date: Apr 29, 2005 | Public Review Date: Aug 3, 2007 | Final Action Date: Dec 3, 2007 | Approved
ASQ (ASC Z1) (American Society for Quality)

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

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

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

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

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

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

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

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

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

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  Public Review Date: Jan 29, 2016 | Final Action Date: May 3, 2016 | Approved

  PINS Date: Apr 3, 2009 | Public Review Date: Apr 6, 2012 | Final Action Date: Sep 12, 2012 | Approved

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

  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: Jan 6, 2016 | Approved

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

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

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

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

- ANSI/ASSE A10.6-2006 (R2016), Safety & Health Program Requirements for Demolition Operations (reaffirmation of ANSI/ASSE A10.6-2006)
  PINS Date: Jul 31, 2009 | Public Review Date: Jul 29, 2016 | Final Action Date: Sep 26, 2016 | Approved

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

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

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

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

  - PINS Date: May 8, 2020 | Public Review Date: Oct 2, 2020 | Final Action Date: Jan 14, 2021 | Approved

### ASTM (ASTM International)

100 Barr Harbor Drive, West Conshohocken, PA 19428-2959 | w: www.astm.org

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

- ANSI/AIHA Z88.7-2010, Color Coding of Air-Purifying Respirator Canisters, Cartridges, and Filters (revision of ANSI Z88.7-2001)
  - PINS Date: Sep 25, 2009 | Public Review Date: Oct 23, 2009 | Final Action Date: Jun 14, 2010 | Approved

  - PINS Date: Aug 29, 2014 | Public Review Date: Oct 3, 2014 | Final Action Date: Mar 4, 2015 | Approved

  - Public Review Date: Nov 10, 2017 | Final Action Date: Dec 26, 2017 | Approved

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

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

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

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

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

  - PINS Date: May 6, 2016 | Public Review Date: Apr 14, 2017 | Final Action Date: May 30, 2017 | Approved

  - Public Review Date: Mar 12, 2021 | Final Action Date: Apr 27, 2021 | Approved

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

  - Public Review Date: Aug 31, 2018 | Final Action Date: Oct 16, 2018 | Approved
**ASTM (ASTM International)**

  - Public Review Date: Nov 6, 2020 | Final Action Date: Dec 22, 2020 | Approved

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  - Public Review Date: Mar 12, 2021 | Final Action Date: Apr 27, 2021 | Approved

  - PINS Date: May 6, 2016 | Public Review Date: Apr 14, 2017 | Final Action Date: May 31, 2017 | Approved

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

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ASTM (ASTM International)

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

  Public Review Date: Jan 8, 2021 | Final Action Date: Dec 1, 2021 | Approved

- ANSI/ASTM D3244-2021, Practice for Utilization of Test Data to Determine Conformance with Specifications (revision of ANSI/ASTM D3244-2021)
  Public Review Date: Sep 3, 2021 | Final Action Date: Oct 19, 2021 | Approved

  Public Review Date: Oct 7, 2016 | Final Action Date: Nov 22, 2016 | Approved

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ANSI/ASTM D6300-2021, Practice for Determination of Precision and Bias Data for Use in Test Methods for Petroleum Products, Liquid Fuels, and Lubricants (revision of ANSI/ASTM D6300-2020b)
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<td>Practice for Statistical Assessment and Improvement of Expected Agreement Between Two Test Methods that Purport to Measure the Same Property of a Material (revision of ANSI/ASTM D6708-2019a)</td>
<td>Public Review Date: Apr 2, 2021</td>
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<td>ANSI/ASTM D7915-2022</td>
<td>Practice for Application of Generalized Extreme Studentized Deviate (GESD) Technique to Simultaneously Identify Multiple Outliers in a Data Set (revision of ANSI/ASTM D7915-2018)</td>
<td>Public Review Date: Apr 2, 2021</td>
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<td>ANSI/ASTM E0620-2018</td>
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<td>Public Review Date: Apr 2, 2021</td>
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  Public Review Date: Mar 15, 2019 | Final Action Date: Apr 30, 2019 | Approved

  Public Review Date: May 8, 2020 | Final Action Date: Jun 23, 2020 | Approved

- 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

  Public Review Date: Nov 8, 2019 | Final Action Date: Apr 1, 2020 | Approved

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  Public Review Date: Oct 9, 2020 | Final Action Date: Nov 24, 2020 | Approved

  Public Review Date: May 7, 2021 | Final Action Date: Jun 22, 2021 | Approved

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

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

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  Public Review Date: Oct 5, 2018 | Final Action Date: Apr 15, 2019 | Approved
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ASTM (ASTM International)

- ANSI/ASTM E1413-2019, Standard Practice for Separation of Ignitable Liquid Residues from Fire Debris Samples by Dynamic Headspace Concentration onto an Adsorbent Tube (new standard)
  PINS Date: Aug 6, 2021 | Public Review Date: Sep 17, 2021 | Final Action Date: Nov 2, 2021 | Approved

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

- ANSI/ASTM E1462-2018, Test Methods for Insulation Integrity and Ground Path Continuity of Photovoltaic Modules (new standard)
  PINS Date: Oct 6, 2017 | Public Review Date: Jan 5, 2018 | Final Action Date: Feb 20, 2018 | Approved

- ANSI/ASTM E1462-2018a, Test Methods for Insulation Integrity and Ground Path Continuity of Photovoltaic Modules (new standard)
  PINS Date: Oct 6, 2017 | Public Review Date: Jan 5, 2018 | Final Action Date: Feb 20, 2018 | Approved

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

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

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

  Public Review Date: Sep 8, 2017 | Final Action Date: Oct 24, 2017 | Approved

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  PINS Date: Mar 11, 2022 | Public Review Date: Apr 22, 2022 | Final Action Date: Jun 7, 2022 | Approved

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  PINS Date: Mar 11, 2022 | Public Review Date: Apr 22, 2022 | Final Action Date: Jun 7, 2022 | Approved

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  PINS Date: Mar 11, 2022 | Public Review Date: Apr 22, 2022 | Final Action Date: Jun 7, 2022 | Approved

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  Public Review Date: Mar 15, 2019 | Final Action Date: Jun 1, 2019 | Approved

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- ANSI/ASTM E1740-2022, Test Method for Determining the Heat Release Rate and Other Fire-Test-Response Characteristics of Wall Covering or Ceiling Covering Composites Using a Cone Calorimeter (revision of ANSI/ASTM E1740-2020A)
  Public Review Date: Mar 11, 2022 | Final Action Date: Apr 26, 2022 | 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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  Public Review Date: Oct 4, 2019 | Final Action Date: Nov 19, 2019 | Approved

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

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

- ANSI/ASTM E2144-2021, Practice for Personal Sampling and Analysis of Endotoxin in Metalworking Fluid Aerosols in Workplace Atmospheres (revision of ANSI/ASTM E2144-2011 (R2016))
  Public Review Date: Oct 8, 2021 | Final Action Date: Nov 23, 2021 | Approved
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- ANSI/ASTM E2154-2015a, Standard Practice for Separation and Concentration of Ignitable Liquid Residues from Fire Debris Samples by Passive Headspace Concentration with Solid Phase Microextraction (SPME) (new standard)
  PINS Date: Aug 6, 2021 | Public Review Date: Sep 17, 2021 | Final Action Date: Nov 2, 2021 | Approved

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

- ANSI/ASTM E2225-2021, Standard Guide for Forensic Examination of Fabrics and Cordage (new standard)
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  (revision of ANSI/ASTM E2280-2017)  
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  (reaffirmation of ANSI/ASTM E2281-2015)  
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  (reaffirmation of ANSI/ASTM E2282-2014)  
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  (revision of ANSI/ASTM E23-2016)  
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  (revision of ANSI/ASTM E230-2012)  
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  (new standard)  
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- **ANSI/ASTM E2334-2008 (R2018)**, Practice for Setting an Upper Confidence Bound for a Fraction or Number of Non-Conforming items, or a Rate of Occurrence for Non-Conformities, Using Attribute Data, When There Is a Zero Response in the Sample  
  (reaffirmation of ANSI/ASTM E2334-2008 (R2013))  
  Public Review Date: Aug 10, 2018 | Final Action Date: Sep 25, 2018 | Approved

  (revision of ANSI/ASTM E2335-2012)  
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  (revision of ANSI/ASTM E2336-2016)  
  Public Review Date: Jun 1, 2018 | Final Action Date: Apr 1, 2020 | Approved

- **ANSI/ASTM E235-2019**, Specification for Type K and Type N Mineral-Insulated, Metal-Sheathed Thermocouples for Nuclear or for Other High-Reliability Applications  
  (revision of ANSI/ASTM E235-2017 (R2018))  
  Public Review Date: Apr 5, 2019 | Final Action Date: May 21, 2019 | Approved
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- ANSI/ASTM 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 E2548-2016, Standard Guide for Sampling Seized Drugs for Qualitative and Quantitative Analysis (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 E2579-2021, Practice for Specimen Preparation and Mounting of Wood Products to Assess Surface Burning Characteristics (revision of ANSI/ASTM E2579-2021)
Public Review Date: Jun 4, 2021 | Final Action Date: Aug 1, 2021 | Approved

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ANSI/ASTM E2657-2021, Practice for Determination of Endotoxin Concentrations in Water-Miscible Metalworking Fluids (revision of ANSI/ASTM E2657-2016)
Public Review Date: Oct 8, 2021 | Final Action Date: Nov 23, 2021 | Approved

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<td>ANSI/ASTM E2708-2021a</td>
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<td>ANSI/ASTM E2762-2010 (R2020)</td>
<td>Practice for Sampling a Stream of Product by Variables Indexed by AQL</td>
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<td>Test Method For Determining the Fire Performance of Building Perimeter Containment Systems Due to External Spread of Fire (new standard)</td>
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ASTM (ASTM International)

- ANSI/ASTM E2889-2012 (R2017), Practice for Control of Respiratory Hazards in the Metal Removal Fluid Environment (reaffirmation of ANSI/ASTM E2889-2012)
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<td>Test Methods For Determining the Effectiveness of Fire Retardant Treatments for Natural Christmas Trees (new standard)</td>
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<td>Terminology Relating to the Examination of Explosives (new standard)</td>
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<td>Standard Practice for Forensic Tape Analysis Training Program (new standard)</td>
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ANSI/ASTM E3253-2021, Practice for Establishing an Examination Scheme for Intact Explosives (new standard)
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ANSI/ASTM E3260-2021, Standard Guide for Forensic Examination and Comparison of Pressure Sensitive Tapes (new standard)
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ANSI/ASTM E3264-2021, Guide for Homogeneity of Samples and Reference Materials Used for Inter- and Intra-Laboratory Studies (new standard)
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ANSI/ASTM E3287-2021, Practice for Specimen Preparation of Fenestration Profiles Intended to Support Non-Combustible In-Fill Materials to Assess Surface Burning Characteristics (new standard)
PINS Date: Dec 7, 2018 | Public Review Date: Mar 12, 2021 | Final Action Date: Apr 27, 2021 | Approved

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PINS Date: Sep 21, 2018 | Public Review Date: Apr 2, 2021 | Final Action Date: May 18, 2021 | Approved

PINS Date: Aug 6, 2021 | Public Review Date: Feb 4, 2022 | Final Action Date: Mar 22, 2022 | Approved

ANSI/ASTM E3316-2022, Guide for the Forensic Examination of Hair by Microscopy (new standard)
PINS Date: Aug 6, 2021 | Public Review Date: Sep 17, 2021 | Final Action Date: May 1, 2022 | Approved

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ANSI/ASTM E3329-2021, Practice for Establishing an Examination Scheme for Explosive Residues (new standard)
PINS Date: Aug 6, 2021 | Public Review Date: Oct 8, 2021 | Final Action Date: Nov 23, 2021 | Approved

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  Public Review Date: Jun 7, 2019 | Final Action Date: Jul 23, 2019 | Approved

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  PINS Date: Sep 22, 2017 | Public Review Date: Mar 9, 2018 | Final Action Date: Jun 1, 2018 | Approved

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

  Public Review Date: Sep 4, 2020 | Final Action Date: Jun 1, 2021 | Approved

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

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


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  (revision of ANSI/ASTM F442-2019)  
  Public Review Date: Jul 10, 2020 | Final Action Date: Aug 25, 2020 | Approved

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

  (revision of ANSI/ASTM F1003-2002 (R2012))  
  Public Review Date: Feb 8, 2019 | Final Action Date: Mar 26, 2019 | Approved

- ANSI/ASTM F1005-1997 (R2020), Practice for HVAC Duct Shapes; Identification and Description of Design Configuration  
  (reaffirmation of ANSI/ASTM F1005-1997 (R2013))  
  Public Review Date: Nov 8, 2019 | Final Action Date: Dec 24, 2019 | Approved

- ANSI/ASTM F1006-1997 (R2018), Specification for Entrainment Separators for Use in Marine Piping Applications  
  (reaffirmation of ANSI/ASTM F1006-1997 (R2014))  
  Public Review Date: Apr 6, 2018 | Final Action Date: Sep 1, 2018 | Approved

- ANSI/ASTM F1007-2018, Specification for Pipeline Expansion Joints of the Packed Slip Type for Marine Application  
  (revision of ANSI/ASTM F1007-1997 (R2014))  
  Public Review Date: Apr 6, 2018 | Final Action Date: May 22, 2018 | Approved

- ANSI/ASTM F1014-2020, Specification for Flashlights on Vessels  
  (revision of ANSI/ASTM F1014-2002 (R2012))  
  Public Review Date: May 8, 2020 | Final Action Date: Jun 23, 2020 | Approved

  (revision of ANSI/ASTM F1015-2003 (R2017))  
  Public Review Date: Nov 5, 2021 | Final Action Date: Dec 21, 2021 | Approved

  (revision of ANSI/ASTM F1018-1987A (R2017))  
  Public Review Date: Mar 11, 2022 | Final Action Date: Apr 26, 2022 | Approved

- ANSI/ASTM F1019M-2001 (R2018), Specification for Steel Deck Gear Stowage Box [Metric]  
  (reaffirmation of ANSI/ASTM F1019M-2001 (R2012))  
  Public Review Date: Mar 9, 2018 | Final Action Date: Apr 24, 2018 | Approved

  (reaffirmation of ANSI/ASTM F1020-1986 (R2011))  
  Public Review Date: Feb 2, 2018 | Final Action Date: Mar 20, 2018 | Approved

  (revision of ANSI/ASTM F1021-2007 (R2013))  
  Public Review Date: Nov 2, 2018 | Final Action Date: Dec 18, 2018 | Approved

- ANSI/ASTM F1023-2012 (R2018), Specification for Dispensers, Powdered Iced Tea  
  (reaffirmation of ANSI/ASTM F1023-2012)  
  Public Review Date: Sep 7, 2018 | Final Action Date: Oct 23, 2018 | Approved

- ANSI/ASTM F1025-2019, Guide for Selection and Use of Full-Encirclement-Type Band Clamps for Reinforcement or Repair of Punctures or Holes in Polyethylene Gas Pressure Pipe  
  (revision of ANSI/ASTM F1025-2017)  
  Public Review Date: Jul 12, 2019 | Final Action Date: Aug 20, 2019 | Approved

- ANSI/ASTM F1030-1986 (R2018), Practice for Selection of Valve Operators  
  (reaffirmation of ANSI/ASTM F1030-1986 (R2014))  
  Public Review Date: Apr 6, 2018 | Final Action Date: Sep 1, 2018 | Approved
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<td>Performance Specification for Ice Hockey Helmets (revision of ANSI/ASTM F1045-2016)</td>
<td>PINS Date: May 6, 2022</td>
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<td>ANSI/ASTM F1076-2020</td>
<td>Practice for Expanded Welded and Silver Brazed Socket Joints for Pipe and Tube (revision of ANSI/ASTM F1076-2010 (R2015))</td>
<td>Public Review Date: Nov 8, 2019</td>
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<td>Specification for Warping Heads, Rope Handling (Gypsy Head, Capstan Head)</td>
<td>(reaffirmation of ANSI/ASTM F1106-87 (R2012))</td>
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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

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- ANSI/ASTM F1200-2021a, Specification for Fabricated (Welded) Pipe Line Strainers (Above 150 psig and 150F (1 MPa and 65C)) (revision of ANSI/ASTM F1200-2021)
  Public Review Date: Aug 6, 2021 | Final Action Date: Sep 21, 2021 | Approved

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<td>ANSI/ASTM F1321-2021</td>
<td>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))</td>
<td>May 18, 2021</td>
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<td>ANSI/ASTM F1447-2018</td>
<td>Specification for Helmets Used in Recreational Bicycling or Roller Skating (revision of ANSI/ASTM F1447-2012)</td>
<td>Public Review Date: May 11, 2018</td>
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  - Public Review Date: Apr 5, 2019 | Final Action Date: May 21, 2019 | Approved

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- **ANSI/ASTM F1602-2012 (R2017)**, Specification for Kettles, Steam-Jacketed, 20 to 200 gal (75.7 to 757 L), Floor or Wall Mounted, Direct Steam, Gas and Electric Heated (reaffirmation of ANSI/ASTM F1602-2012)
  - Public Review Date: Oct 6, 2017 | Final Action Date: Nov 21, 2017 | Approved

- **ANSI/ASTM F1603-2017**, Specification for Kettles, Steam-Jacketed, 32 oz to 20 gal (1 to 75.7 L), Tilting, Table Mounted, Direct Steam, Gas and Electric Heated (revision of ANSI/ASTM F1603-2012)
  - Public Review Date: Oct 6, 2017 | Final Action Date: Nov 21, 2017 | Approved

  - Public Review Date: Mar 6, 2020 | Final Action Date: Apr 21, 2020 | Approved

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- ANSI/ASTM F1734-2019, Practice for Qualification of a Combination of Squeeze Tool, Pipe, and Squeeze-Off Procedures to Avoid Long-Term Damage in Polyethylene (PE) Gas Pipe (new standard)
  PINS Date: Jun 15, 2018 | Public Review Date: Dec 7, 2018 | Final Action Date: Jan 22, 2019 | Approved

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<td>ANSI/ASTM F1793-1997 (R2021)</td>
<td>Specification for Automatic Shut-Off Valves (Also Known as Excess Flow Valves, EFV) for Air or Nitrogen Service</td>
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<td>ANSI/ASTM F1804-2021</td>
<td>Practice for Determining Allowable Tensile Load for Polyethylene (PE) Gas Pipe During Pull-In Installation</td>
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<td>Specification for Metal Insert Fittings Utilizing a Copper Crimp Ring, or Alternate Stainless Steel Clamps, for SDR9 Cross-linked Polyethylene (PEX) Tubing and SDR9 Polyethylene of Raised Temperature (PE-RT) Tubing</td>
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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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- ANSI/ASTM F2092-2014 (R2022), Specification for Convection Oven Gas or Electric  (reaffirmation of ANSI/ASTM F2092-2014)
  Public Review Date: May 6, 2022 | Final Action Date: Jun 21, 2022 | Approved

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ASTM (ASTM International)

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

  Public Review Date: Jan 7, 2022 | Final Action Date: Feb 22, 2022 | Approved

- ANSI/ASTM F2553-2016 (R2020), Specification for Warnings on Refillable CO2 Cylinders Used In the Sport of Paintball (reaffirmation of ANSI/ASTM F2553-2016)
  Public Review Date: Mar 6, 2020 | Final Action Date: Apr 21, 2020 | Approved

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

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

  Public Review Date: May 22, 2020 | Final Action Date: Dec 15, 2020 | Approved

  Public Review Date: May 11, 2018 | Final Action Date: Jun 26, 2018 | Approved

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  Public Review Date: Mar 12, 2021 | Final Action Date: Apr 27, 2021 | Approved

  Public Review Date: Nov 6, 2020 | Final Action Date: Dec 22, 2020 | Approved

  Public Review Date: Jan 7, 2022 | Final Action Date: Feb 22, 2022 | Approved

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ASTM (ASTM International)

  Public Review Date: Apr 5, 2019 | Final Action Date: May 21, 2019 | Approved

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

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

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

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

  Public Review Date: Sep 10, 2010 | Final Action Date: Dec 15, 2010 | Approved

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

  Public Review Date: Mar 6, 2020 | Final Action Date: Apr 21, 2020 | Approved

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  Public Review Date: Sep 6, 2019 | Final Action Date: Oct 22, 2019 | Approved

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

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

  Public Review Date: Jun 7, 2019 | Final Action Date: Jul 23, 2019 | Approved

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  Public Review Date: Dec 6, 2019 | Final Action Date: Dec 1, 2021 | Approved
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<td>Nov 21, 2017</td>
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  Public Review Date: May 10, 2019 | Final Action Date: Jun 25, 2019 | Approved

  Public Review Date: Jun 12, 2020 | Final Action Date: Jul 28, 2020 | Approved

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

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

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

  Public Review Date: Mar 6, 2020 | Final Action Date: Apr 21, 2020 | Approved

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

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

- ANSI/ASTM F2875-2010 (R2020), Guide for Laboratory Requirements Necessary to Test Commercial Cooking and Warming Appliances to ASTM Test Methods  (reaffirmation of ANSI/ASTM F2875-2010 (R2015))
  Public Review Date: Jun 12, 2020 | Final Action Date: Jul 28, 2020 | Approved

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

  Public Review Date: Apr 5, 2019 | Final Action Date: May 21, 2019 | Approved

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

- ANSI/ASTM F2880-2021, Specification for Lap-Joint Type Flange Adapters for Polyethylene Pressure Pipe in Nominal Pipe Sizes 34 in. to 65 in.  (revision of ANSI/ASTM F2880-2014)
  Public Review Date: Oct 8, 2021 | Final Action Date: Nov 23, 2021 | Approved
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<td>Specification for Commercial Bulk Milk Dispensers, Mechanically Refrigerated</td>
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<td>ANSI/ASTM F2897-2021</td>
<td>Specification for Tracking and Traceability Encoding System of Natural Gas Distribution Components (Pipe, Tubing, Fittings, Valves, and Appurtenances)</td>
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<td>ANSI/ASTM F2899-2011</td>
<td>Specification for Condition 1 Bicycle Forks</td>
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<td>ANSI/ASTM F2904-2011</td>
<td>Specification for Warnings on Paintball Marker Accessories Used In the Sport of Paintball</td>
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<td>ANSI/ASTM F2917-2012</td>
<td>Specification for Bicycle Trailer Cycles Designed for Human Passengers</td>
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<td>ANSI/ASTM F2918-2011</td>
<td>Test Method for Weighing a Bicycle</td>
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<td>ANSI/ASTM F2929-2017</td>
<td>Specification for Crosslinked Polyethylene (PEX) Tubing of 0.070 in. Wall and Fittings for Radiant Heating Systems up to 75 psig</td>
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<td>ANSI/ASTM F2934-2012</td>
<td>Specification for Circular Metallic Bellows Type Expansion Joint for HVAC Piping Applications</td>
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<tr>
<td>ANSI/ASTM F2935-2012</td>
<td>Specification for Chocks, Panama, Mooring Cast Steel</td>
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<td>ANSI/ASTM F2936-2012</td>
<td>Specification for Chocks, Ship Mooring, Cast Steel</td>
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<td>ANSI/ASTM F2940-2021</td>
<td>Practice for Air Soft Field Operation</td>
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<td>Practice for Air Soft Player Safety Briefing</td>
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<td>ANSI/ASTM F2945-2018</td>
<td>Specification for Polyamide 11 Gas Pressure Pipe, Tubing, and Fittings</td>
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- ANSI/ASTM F2946-2012 (R2021), Specification for PVC Hub and Elastomeric Seal (Gasket) Tee Connection for Joining Plastic Pipe to Insitu Pipelines and Manholes (reaffirmation of ANSI/ASTM F2946-2012 (R2017))
  Public Review Date: Jun 4, 2021 | Final Action Date: Jul 20, 2021 | Approved

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

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

  Public Review Date: Apr 6, 2018 | Final Action Date: Oct 15, 2020 | Approved

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

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

  Public Review Date: Jan 5, 2018 | Final Action Date: Feb 20, 2018 | Approved

  Public Review Date: Sep 7, 2018 | Final Action Date: Oct 23, 2018 | Approved

  Public Review Date: Sep 7, 2018 | Final Action Date: Oct 23, 2018 | Approved

  Public Review Date: Nov 5, 2021 | Final Action Date: Feb 1, 2022 | Approved

- ANSI/ASTM F3013-2013 (R2018), Test Method for Density of Topsoil and Blended Soils In-place by the Core Displacement Method (reaffirmation of ANSI/ASTM F3013-2013)
  Public Review Date: Sep 7, 2018 | Final Action Date: Oct 23, 2018 | Approved

  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 Piping Systems or Fittings (new standard)  
PINS Date: May 6, 2016 | Public Review Date: Apr 14, 2017 | Final Action Date: May 31, 2017 | Approved

Public Review Date: Oct 5, 2018 | Final Action Date: Mar 21, 2019 | Approved

ANSI/ASTM F3137-2015, Headgear Used in Women’s Lacrosse (excluding goalkeepers) (new standard)  
PINS Date: Mar 2, 2012 | Public Review Date: Mar 6, 2015 | Final Action Date: Jul 1, 2015 | Approved

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

Public Review Date: Jan 18, 2019 | Final Action Date: Jul 1, 2019 | Approved

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

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

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

Public Review Date: Jul 12, 2019 | Final Action Date: Aug 20, 2019 | Approved

Public Review Date: Nov 5, 2021 | Final Action Date: Apr 1, 2022 | Approved

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

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

PINS Date: Mar 18, 2016 | Public Review Date: Nov 10, 2017 | Final Action Date: Dec 26, 2017 | Approved

Public Review Date: Mar 6, 2020 | Final Action Date: Apr 21, 2020 | Approved
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Public Review Date: Oct 4, 2019 | Final Action Date: Nov 19, 2019 | Approved |
| ANSI/ASTM F3255-2019, Specification for Rapid pull down refrigerators (Blast Chillers), freezers (blast freezers), combination refrigerator/freezer (blast chiller/freezers), and quick chillers for commercial use | new standard  
PINS Date: Nov 4, 2016  
Public Review Date: Feb 8, 2019  
Final Action Date: Mar 26, 2019 | Approved |
PINS Date: Sep 23, 2016  
Public Review Date: Apr 7, 2017  
Final Action Date: May 23, 2017 | Approved |
Public Review Date: Jun 3, 2022  
Final Action Date: Jul 19, 2022 | Approved |
| ANSI/ASTM F3284-2018, Guide For Recording and Reporting of Injuries and Illnesses for the Maritime Industry | new standard  
PINS Date: Mar 3, 2017  
Public Review Date: Oct 6, 2017  
Final Action Date: Feb 1, 2018 | Approved |
| ANSI/ASTM F3285-2018, Guide For Installation and Application of Type C Portable Tanks for Marine LNG Service | new standard  
PINS Date: Mar 10, 2017  
Public Review Date: Mar 9, 2018  
Final Action Date: May 15, 2018 | Approved |
PINS Date: Oct 6, 2017  
Public Review Date: Aug 17, 2018  
Final Action Date: Oct 2, 2018 | Approved |
| ANSI/ASTM F3288/F3288M-2020, Specification for MRS-Rated Metric- and Inch-sized Crosslinked Polyethylene (PEX) Pressure Pipe | new standard  
Public Review Date: Jul 10, 2020  
Final Action Date: Aug 25, 2020 | Approved |
| ANSI/ASTM F3312-2018, Practice for Liquefied Natural Gas (LNG) Bunkering Hose Transfer Assembly | new standard  
PINS Date: Dec 22, 2017  
Public Review Date: May 11, 2018  
Final Action Date: Jun 26, 2018 | Approved |
| ANSI/ASTM F3313-2020, Test Method for Determining Impact Attenuation of Playground Surfaces Within the Use Zone of Playground Equipment as Tested in the Field | revision of ANSI/ASTM F3313-2019  
Public Review Date: Sep 4, 2020  
Final Action Date: Oct 20, 2020 | Approved |
Public Review Date: May 8, 2020  
Final Action Date: Nov 1, 2020 | Approved |
| ANSI/ASTM F3328-2018, Practice for the One-Step (Solvent Cement Only) Method of Joining Poly (Vinyl Chloride) (PVC) or Chlorinated Poly (Vinyl Chloride) (CPVC) Pipe and Piping Components with Tapered Sockets | new standard  
PINS Date: Feb 2, 2018  
Public Review Date: Jul 6, 2018  
Final Action Date: Aug 21, 2018 | Approved |
| ANSI/ASTM F3339-2020, Guide for Construction or Renovation of Native-soil Athletic Fields | new standard  
PINS Date: Dec 2, 2016  
Public Review Date: Mar 6, 2020  
Final Action Date: Apr 21, 2020 | Approved |
Public Review Date: May 6, 2022  
Final Action Date: Jun 21, 2022 | Approved |
| ANSI/ASTM F3346-2019, Specification for Polyethylene of Raised Temperature/Aluminum/Polyethylene of Raised Temperature (PE-RT/AL/PE-RT) Composite Pressure Pipe | new standard  
PINS Date: Aug 18, 2017  
Public Review Date: Jan 18, 2019  
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  Public Review Date: Jun 3, 2022 | Final Action Date: Jul 19, 2022 | Approved

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

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

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

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

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

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

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

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

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

  PINS Date: Jun 7, 2019 | Public Review Date: Jun 12, 2020 | Final Action Date: Jul 28, 2020 | Approved

- ANSI/ASTM F3412-2020, Terminology for Treestands (new standard)
  PINS Date: Feb 1, 2019 | Public Review Date: Nov 8, 2019 | Final Action Date: Feb 1, 2020 | Approved

  PINS Date: Aug 23, 2019 | Public Review Date: Dec 6, 2019 | Final Action Date: Jan 21, 2020 | Approved
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<td>ANSI/ASTM F3536-2022</td>
<td>Specification for PE and PP Mechanical Fittings for use on NPS 3 or Smaller cold-water service Polyethylene (PE) or Crosslinked Polyethylene (PEX) Pipe or Tubing (new standard)</td>
<td>Jun 23, 2017</td>
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**ASTM (ASTM International)**

  (new standard)  
  PINS Date: Mar 5, 2021 | Public Review Date: Nov 5, 2021 | Final Action Date: Dec 21, 2021 | Approved

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

  (revision of ANSI/ASTM F355-2010a)  
  Public Review Date: May 6, 2016 | Final Action Date: Jul 1, 2016 | Approved

  (new standard)  
  Public Review Date: May 6, 2022 | Final Action Date: Jun 21, 2022 | Approved

  (new standard)  
  PINS Date: Jun 11, 2021 | Public Review Date: Mar 11, 2022 | Final Action Date: Apr 26, 2022 | Approved

  (revision of ANSI/ASTM F381-2015)  
  Public Review Date: Mar 4, 2016 | Final Action Date: Jun 1, 2016 | Approved

  (revision of ANSI/ASTM F400-2019)  
  Public Review Date: Jul 10, 2020 | Final Action Date: Aug 25, 2020 | Approved

  (revision of ANSI/ASTM F402-2017)  
  Public Review Date: Jul 6, 2017 | Final Action Date: Aug 21, 2017 | Approved

  (new standard)  
  PINS Date: Jan 22, 2016 | Public Review Date: Mar 10, 2017 | Final Action Date: Apr 28, 2017 | Approved

  (revision of ANSI/ASTM F437-2017)  
  Public Review Date: Mar 12, 2021 | Final Action Date: Apr 27, 2021 | Approved

  (revision of ANSI/ASTM F438-2017)  
  Public Review Date: Jul 7, 2017 | Final Action Date: Aug 22, 2017 | Approved

  (revision of ANSI/ASTM F439-2013)  
  Public Review Date: Jul 12, 2019 | Final Action Date: Aug 20, 2019 | Approved

  (revision of ANSI/ASTM F441/F441M-2017)  
  Public Review Date: Jul 10, 2020 | Final Action Date: Aug 25, 2020 | Approved

- **ANSI/ASTM F477-2014 (R2021)**, Specification for Elastomeric Seals (Gaskets) for Joining Plastic Pipe  
  (reaffirmation of ANSI/ASTM F477-2017)  
  Public Review Date: Jan 8, 2021 | Final Action Date: Jun 15, 2021 | Approved

- **ANSI/ASTM F480-2014 (R2022)**, Specification for Thermoplastic Well Casing Pipe and Couplings Made in Standard Dimension Ratios (SDR), SCH 40 and SCH 80  
  (reaffirmation of ANSI/ASTM F480-2014)  
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<td>ANSI/ASTM F681-1982 (R2018), Practice for Use of Branch Connections</td>
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<td>ANSI/ASTM F682-1982A (R2018), Specification for Wrought Carbon Steel Sleeve-Type Pipe Couplings</td>
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<td>Sep 1, 2018</td>
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<td>ANSI/ASTM F683-2021, Practice for Selection and Application of Thermal Insulation for Piping and Machinery</td>
<td>Aug 6, 2021</td>
<td>Sep 21, 2021</td>
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  Public Review Date: Mar 11, 2022 | Final Action Date: Apr 26, 2022 | Approved

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  Public Review Date: Sep 6, 2019 | Final Action Date: Oct 22, 2019 | Approved

  Public Review Date: Jan 7, 2022 | Final Action Date: Feb 22, 2022 | Approved

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

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  Public Review Date: Jul 8, 2016 | Final Action Date: Aug 23, 2016 | Approved

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ATCC (American Type Culture Collection)

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

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

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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))
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- ANSI ATIS 0300204-2008 (S2018), Operations, Administration, Maintenance, and Provisioning (OAM&P) Lower-Layer Protocols for Telecommunications Management Network (TMN) Interfaces, Q and X Interfaces (stabilized maintenance of ANSI ATIS 0300204-2008 (R2013))
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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))
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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))
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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))
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ANSI ATIS 0700007-1997 (S2017), Stage 1 Service Description for Personal Communications Service - Enhanced Priority Access and Channel Assignment (PACA-E) Supplementary Service (stabilized maintenance of ANSI ATIS 0700007-1997 (R2013))
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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)
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ANSI ATIS 0900002-2009 (S2019), Synchronization Standard - Physical Interconnection for Intra-Office Ethernet-Based Timing Distribution (stabilized maintenance of ANSI ATIS 0900002-2009 (R2014))
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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))
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- ANSI ATIS 1000025-2013 (R2018), User to Network Interface (UNI) Standard for Signaling and Control Security Requirements for Evolving VoP/Multimedia Networks (reaffirmation of ANSI ATIS 1000025-2013)
  Public Review Date: Nov 24, 2017 | Final Action Date: Jan 24, 2018 | Approved

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

- ANSI ATIS 1000028-2008 (S2018), IP Device (SIP UA) to Network Interface Standard (stabilized maintenance of ANSI ATIS 1000028-2008 (R2013))
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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) (stabilized maintenance of ANSI ATIS 1000030-2008 (R2013))
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- ANSI ATIS 1000114-2004 (S2019), Signaling System Number 7 (SS7) – Transaction Capabilities Application Part (TCAP) (stabilized maintenance of ANSI ATIS 1000114-2004 (R2014))
  Public Review Date: Jun 21, 2019 | Final Action Date: Sep 9, 2019 | Approved

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

- ANSI ATIS 1000604-2014 (R2019), ISDN - Minimal Set of Bearer Services for the Basic Rate Interface (reaffirmation of ANSI ATIS 1000604-2014)
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- ANSI ATIS 1000609-2014 (R2019), Interworking between the ISDN User-Network Interface Protocol and Signalling System Number 7 ISDN User Part (reaffirmation of ANSI ATIS 1000609-2014)
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- ANSI ATIS 1000610-1998 (S2018), Generic Procedures for the Control of ISDN Supplementary Services (stabilized maintenance of ANSI ATIS 1000610-1998 (R2013))
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- ANSI ATIS 1000610.a-1998 (S2018), Generic Procedures for the Control of ISDN Supplementary Services, Modification to the Redirection Number Information Element (stabilized maintenance of ANSI ATIS 1000610.a-1998 (R2013))
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- ANSI ATIS 1000611-1991 (S2018), Signaling System Number 7 (SS7) - Supplementary Services for Non-ISDN Subscribers (stabilized maintenance of ANSI ATIS 1000611-1991 (R2013))
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- ANSI ATIS 1000615-2014 (R2019), Digital Subscriber Signaling System No. 1 (DSS1) - Layer 3 Overview (reaffirmation of ANSI ATIS 1000615-2014)
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- ANSI ATIS 1000619-2014 (R2019), ISDN - User to User Signaling Supplementary Service (reaffirmation of ANSI ATIS 1000621-2014)
  Public Review Date: Jun 21, 2019 | Final Action Date: Sep 9, 2019 | Approved

- ANSI ATIS 1000622-1999 (S2018), Message Waiting Indicator Control and Notification Supplementary Services and Associated Switching and Signaling Specifications (stabilized maintenance of ANSI ATIS 1000622-1999 (R2013))
  Public Review Date: Nov 24, 2017 | Final Action Date: Feb 27, 2018 | Approved

- ANSI ATIS 1000625-1993 (S2018), Integrated Services Digital Network (ISDN) - Calling Line Identification Presentation and Restriction Supplementary Services (stabilized maintenance of ANSI ATIS 1000625-1993 (R2013))
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- ANSI ATIS 1000625.a-1998 (S2018), Integrated Services Digital Network (ISDN) - Calling Line Identification Presentation and Restriction Supplementary Services (stabilized maintenance of ANSI ATIS 1000625.a-1998 (R2013))
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- ANSI ATIS 1000627-2014 (R2019), Broadband ISDN - ATM Layer Functionality and Specification (reaffirmation of ANSI ATIS 1000627-2014)
  Public Review Date: Jun 21, 2019 | Final Action Date: Sep 9, 2019 | Approved

- ANSI ATIS 1000632-1993 (R2019), ISDN Supplementary Service Normal Call Transfer (reaffirmation of ANSI ATIS 1000632-1993 (R2014))
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- ANSI ATIS 1000641-2014 (R2019), Calling Name Identification (reaffirmation of ANSI ATIS 1000641-2014)
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- ANSI ATIS 1000642-2014 (R2019), ISDN - Call Deflection Supplementary Service (reaffirmation of ANSI ATIS 1000642-2014)
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- ANSI ATIS 1000643-1998 (S2018), Integrated Services Digital Network (ISDN) - Explicit Call Transfer Supplementary Service (stabilized maintenance of ANSI ATIS 1000643-1998 (R2013))
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- ANSI ATIS 1000645-1995 (S2018), B-ISDN Signaling ATM Adaptation Layer - Service Specific Coordination Function for Support of Signaling at the Network Node Interface (SSCF at the NNI) (stabilized maintenance of ANSI ATIS 1000645-1995 (R2013))
  Public Review Date: Nov 24, 2017 | Final Action Date: Feb 27, 2018 | Approved

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

- ANSI ATIS 1000660-1998 (S2018), Signaling System Number 7 - Call Completion to a Portable Number - Integrated Text (stabilized maintenance of ANSI ATIS 1000660-1998 (R2013))
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- ANSI ATIS 1000665-1997 (S2018), Broadband ISDN - Overview of ANSI B-ISDN NNI Signaling Capability Set 2, Step 1 (stabilized maintenance of ANSI ATIS 1000665-1997 (R2013))
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- ANSI ATIS 1000678.a.v2-2007 (S2018), Supplement A to ANSI ATIS 1000678.v2-2006 (R2013), Lawfully Authorized Electronic Surveillance (LAES) for Voice over Packet Technologies in Wireline Telecommunications Networks (stabilized maintenance of ANSI ATIS 1000678.a.v2-2007 (R2013))
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- ANSI/ATIS 0100008-2007 (S2017), Defects Per Million (DPM) Metric for Transaction Services such as VoIP (stabilized maintenance of ANSI ATIS 0100008-2007 (R2012))
  Public Review Date: Jan 20, 2017 | Final Action Date: Mar 10, 2017 | Approved

- ANSI/ATIS 0100012-2019, Standard Outage Classification (revision of ANSI ATIS 0100012-2013)
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ANSI/ATIS 0100017-2008 (S2018), Reduced Reference Video Calibration Estimation Method (stabilized maintenance of ANSI/ATIS 0100017-2008 (R2013))
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ANSI/ATIS 0100020-2008 (S2018), Quantifying the Impact on IP Service Availability from Network Element Outages (stabilized maintenance of ANSI/ATIS 0100020-2008 (R2013))
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ANSI/ATIS 0100022-2008 (S2018), Priority Classification Levels for Next Generation Networks (stabilized maintenance of ANSI/ATIS 0100022-2008 (R2013))
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- ANSI/ATIS 0100524-2004 (S2018), Reliability-related Metrics and Terminology for Network Elements in Evolving Communications Networks (stabilized maintenance of ANSI/ATIS 0100524-2004 (R2013))
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- **ANSI/ATIS 0100801.02-1996 (S2016)**, Digital Transport of Video Teleconferencing/Video Telephony Signals - Performance Terms, Definitions and Examples (stabilized maintenance of ANSI/ATIS 0100801.02-1996 (R2011))
  - Public Review Date: Mar 18, 2016 | Final Action Date: May 13, 2016 | Approved

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- **ANSI/ATIS 0100801.04-2005 (S2020)**, Multimedia Communications Delay, Synchronization and Frame Rate (stabilized maintenance of ANSI/ATIS 0100801.04-2005 (R2015))
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- ANSI/ATIS 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 0300231.02-2019, DS1 – Layer 1 In-Service Digital Transmission Performance Monitoring (revision of ANSI ATIS 0300231.02-2013)
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- ANSI/ATIS 0300231.03-2019, DS3 - Layer 1 In-Service Digital Transmission Performance Monitoring (revision of ANSI ATIS 0300231.03-2013)
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- ANSI/ATIS 0300231.04-2019, SONET-- Layer 1 In-Service Digital Transmission Performance Monitoring (revision of ANSI ATIS 0300231.04-2013)
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- ANSI/ATIS 0300232-2012 (R2017), Human-to-Machine Interface Specification for Telecommunications Management (reaffirmation of ANSI/ATIS 0300232-2012)
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- ANSI/ATIS 0300234-2000 (S2015), Signalling System Number 7 (SS7) - MTP Levels 2 and 3 Compatibility Testing (stabilized maintenance of ANSI/ATIS 0300234-2000 (R2010))
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- ANSI/ATIS 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 0300236-2005 (S2016), Signaling System 7 (SS7) - ISDN User Part Compatibility Testing (stabilized maintenance of ANSI/ATIS 0300236-2005 (R2011))
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- ANSI/ATIS 0300245-2019, Directory Services for Telecommunications Management Network (TMN) and Synchronous Optical Network (SONET) (revision of ANSI ATIS 0300245-2013)
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- ANSI/ATIS 0300251.a-2020, Supplement to Structure for the Representation of Service Providers for Information Exchange (supplement to ANSI/ATIS 0300251-2020)
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- ANSI/ATIS 0300253-2020, Structure for the Representation of Location Entities for Information Exchange (revision of ANSI/ATIS 0300253-2016)
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- ANSI/ATIS 0300269-2006 (S2016), Structure and Representation of Trace Message Formats for Information Exchange (stabilized maintenance of ANSI/ATIS 0300269-2006 (R2011))
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- ANSI/ATIS 0500019-2010 (S2021), Request for Assistance Interface (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 0600010.01-2020, Temperature, Humidity, Altitude, and Salt Fog Requirements for Information and Communications Technology (ICT) Equipment Utilized in Outside Plant Environments (revision of ANSI/ATIS 0600010.01-2017)
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- ANSI/ATIS 0600010.02-2012 (S2022), Equipment Handling, Transportation Vibration, and Rail Car Shock Requirements for Network Communications Equipment (stabilized maintenance of ANSI/ATIS 0600010.02-2012 (R2017))
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- ANSI/ATIS 0600010.03-2011 (S2021), Heat Dissipation Requirements for Network Telecom Equipment (stabilized maintenance of ANSI/ATIS 0600010.03-2011 (R2016))
Public Review Date: Dec 18, 2020 | Final Action Date: Feb 26, 2021 | Approved

- ANSI/ATIS 0600010.04-2017, Operational Vibration Requirements for Communications Equipment (revision of ANSI/ATIS 0600010.04-2011)
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- ANSI/ATIS 0600015.01-2021, Energy Efficiency for Telecommunications Equipment: Methodology for Measurement and Reporting – Server Requirements (revision of ANSI/ATIS 0600015.01-2014)
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- ANSI/ATIS 0600015.03-2016 (R2021), Energy Efficiency for Telecommunication Equipment: Methodology for Measurement and Reporting for Router and Ethernet Switch Products (reaffirmation of ANSI/ATIS 0600015.03-2016)
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- ANSI/ATIS 0600015.11-2016 (R2021), Energy Efficiency for Telecommunication Equipment: Methodology for Measurement and Reporting DC/DC Converter Requirements (reaffirmation of ANSI/ATIS 0600015.11-2016)
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- ANSI/ATIS 0600016-2018, Remote End POTS Splitter Requirements (revision of ANSI ATIS 0600016-2008 (R2013))
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- ANSI/ATIS 0600333-2013 (R2018), Grounding and Bonding of Telecommunications Equipment (reaffirmation of ANSI ATIS 0600333-2013)
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- ANSI/ATIS 0600337-2019, Requirements for Maximum Voltage, Current, and Power Levels Used in Communications Circuits (revision of ANSI/ATIS 0600337-2016)
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- ANSI/ATIS 0600338-2021, Electrical Coordination of Primary and Secondary Surge Protective Devices for Use in Telecommunications Circuits (revision of ANSI/ATIS 0600338-2016)
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- ANSI/ATIS 0600401.01-2000 (S2015), Network to Customer Installation Interfaces - Analog Voicegrade Switched Access Lines Using Loop-Start or Ground Start Signaling With Line-Side Answer Supervision Feature (stabilized maintenance of ANSI/ATIS 0600401.01-2000 (R2010))
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- ANSI/ATIS 0600401.02-2000 (S2015), Network-to-Customer Installation Interfaces - Analog Voicegrade Switched Access Lines with Distinctive Ringing Features (stabilized maintenance of ANSI/ATIS 0600401.02-2000 (R2010))
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- ANSI/ATIS 0600401.04-2000 (S2015), Network and Customer Installation Interfaces - Analog Voicegrade Switched Access Lines with the Call Waiting, Distinctive Call Waiting, or Calling Identity Delivery on Call Waiting Feature (stabilized maintenance of ANSI/ATIS 0600401.04-2000 (R2010))
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  Public Review Date: Jan 16, 2015 | Final Action Date: Mar 12, 2015 | Approved

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

- ANSI/ATIS 0600403.02.a-2001 (S2015), Supplement to ATIS-0600403.02.1999(R2005) - Network and Customer Installation Interfaces - DS1 Robbed-bit Signaling State Definitions (stabilized maintenance of ANSI/ATIS 0600403.02. a-2001 (R2010))
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- **ANSI/ATIS 1000110-1999 (S2020)**, Signaling System No. 7 (SS7) - General Information (stabilized maintenance of ANSI/ATIS 1000110-1999 (R2015))
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- **ANSI/ATIS 1000111-2005 (S2020)**, Signaling System No. 7 (SS7) - Message Transfer Part (MTP) (stabilized maintenance of ANSI/ATIS 1000111-2005 (R2015))
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- **ANSI/ATIS 1000112-2005 (S2020)**, Signaling System No. 7 (SS7) - Signaling Connection Control Part (SCCP) (stabilized maintenance of ANSI/ATIS 1000112-2005 (R2015))
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- 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 1000636-1999 (R2010), B-ISDN Signaling ATM Adaptation Layer (SAAL)-Overview Description (reaffirmation of ANSI/ATIS 1000636-1999 (R2010))
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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))
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- 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 1000641.a-2002 (S2017), Supplement to Calling Name Identification Presentation (stabilized maintenance of ANSI ATIS 1000641.a-2002 (R2012))
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<td>ANSI/ATIS 1000659-1996 (S2016)</td>
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### ATIS (Alliance for Telecommunications Industry Solutions)

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### ATSIP (Association of Transportation Safety Information Professionals)

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AWI (Architectural Woodwork Institute)

- ANSI/AWI 1236-2022, Countertops (new standard)
  PINS Date: Nov 25, 2016 | Public Review Date: Feb 4, 2022 | Final Action Date: Mar 31, 2022 | Approved

- ANSI/AWI SMA 0643-2021, AWI SMA 0643 - Wood Stair, Handrail, and Guard Systems (new standard)
  PINS Date: Nov 25, 2016 | Public Review Date: Oct 30, 2020 | Final Action Date: Mar 1, 2021 | Approved

AWPA (ASC O5) (American Wood Protection Association)

  PINS Date: Nov 2, 2018 | Public Review Date: Jun 24, 2022 | Final Action Date: Aug 18, 2022 | Approved

- ANSI O5.2-2020, Structural Glued Laminated Timber for Utility Structures (revision of ANSI O5.2-2012)
  PINS Date: Mar 24, 2017 | Public Review Date: Nov 1, 2019 | Final Action Date: Jan 10, 2020 | Approved

- ANSI O5.3-2021, Solid Sawn Wood Crossarms, Braces, and Wood Ground Wire Moulding - Specifications & Dimensions (revision of ANSI O5.3-2015)
  PINS Date: Jan 24, 2020 | Public Review Date: Dec 4, 2020 | Final Action Date: Feb 26, 2021 | Approved

AWS (American Welding Society)

- ANSI/AASHTO/AWS D1.5M/D1.5-2020, Bridge Welding Code (revision of ANSI/AASHTO/AWS D1.5M/D1.5-2015, AMD 1)
  PINS Date: Sep 6, 2019 | Public Review Date: Dec 13, 2019 | Final Action Date: Apr 24, 2020 | Approved

  PINS Date: Nov 20, 2015 | Public Review Date: Jul 1, 2016 | Final Action Date: Aug 30, 2016 | Approved

- ANSI/AWS A2.4-2020, Standard Symbols for Welding, Brazing, and Nondestructive Examination (revision of ANSI/AWS A2.4-2012)
  PINS Date: May 31, 2013 | Public Review Date: Nov 22, 2019 | Final Action Date: Jan 9, 2020 | Approved

  PINS Date: May 31, 2013 | Public Review Date: Aug 2, 2019 | Final Action Date: Oct 22, 2019 | Approved

  PINS Date: Apr 5, 2019 | Public Review Date: Oct 4, 2019 | Final Action Date: Feb 27, 2020 | Approved

  PINS Date: Apr 5, 2019 | Public Review Date: Sep 13, 2019 | Final Action Date: Oct 31, 2019 | Approved

  PINS Date: Mar 20, 2015 | Public Review Date: May 27, 2016 | Final Action Date: Oct 11, 2016 | Approved

  PINS Date: Sep 13, 2019 | Public Review Date: Oct 18, 2019 | Final Action Date: Feb 20, 2020 | Approved
AWS (American Welding Society)

  PINS Date: Mar 29, 2019 | Public Review Date: Apr 26, 2019 | Final Action Date: Jun 26, 2019 | Approved

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

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

  PINS Date: May 29, 2020 | Public Review Date: Nov 20, 2020 | Final Action Date: Jan 7, 2021 | Approved

  PINS Date: Jul 28, 2017 | Public Review Date: Sep 1, 2017 | Final Action Date: Oct 30, 2017 | Approved

  PINS Date: Mar 27, 2015 | Public Review Date: Aug 21, 2015 | Final Action Date: May 4, 2016 | Approved

- ANSI/AWS A5.16/A5.16M-2013 (ISO 24034-2005 MOD), Specification for Titanium and Titanium-Alloy Welding Electrodes and Rods  (revision of ANSI/AWS A5.16/A5.16M-2007)
  PINS Date: Apr 1, 2011 | Public Review Date: Oct 19, 2012 | Final Action Date: Feb 19, 2013 | Approved

  PINS Date: Jun 22, 2018 | Public Review Date: Dec 14, 2018 | Final Action Date: Feb 5, 2019 | Approved

  Public Review Date: Apr 16, 2021 | Final Action Date: Jun 1, 2021 | Approved

  PINS Date: Mar 27, 2015 | Public Review Date: Apr 24, 2015 | Final Action Date: Jul 17, 2015 | Approved

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

- ANSI/AWS A5.20/A5.20M-2021, Specification for Carbon Steel Electrodes for Flux Cored Arc Welding  (revision of ANSI/AWS A5.20/A5.20M-2005 (R2015))
  PINS Date: Jun 5, 2020 | Public Review Date: Apr 16, 2021 | Final Action Date: Jun 1, 2021 | Approved

- ANSI/AWS A5.23/A5.23M-2021, Specification for Low-Alloy and High Manganese Steel Electrodes and Fluxes for Submerged Arc Welding  (revision of ANSI/AWS A5.23/A5.23M-2011)
  PINS Date: May 26, 2017 | Public Review Date: Apr 2, 2021 | Final Action Date: Jun 1, 2021 | Approved

  PINS Date: Feb 3, 2012 | Public Review Date: Oct 25, 2013 | Final Action Date: Jan 23, 2014 | Approved
AWS (American Welding Society)

  PINS Date: Apr 5, 2019 | Public Review Date: Sep 20, 2019 | Final Action Date: Apr 10, 2020 | Approved

- ANSI/AWS A5.28/A5.28M-2020, Specification for Low-Alloy Steel Electrodes and Rods for Gas Shielded Arc Welding  
  (revision of ANSI/AWS A5.28/A5.28M-2005 (R2015))
  PINS Date: Apr 5, 2019 | Public Review Date: Apr 10, 2020 | Final Action Date: Jun 30, 2020 | Approved

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

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

- ANSI/AWS A5.32M/A5.32-2021 (ISO 14175-2008 MOD), Welding Consumables—Gases and Gas Mixtures for Fusion Welding and Allied Processes  
  PINS Date: May 29, 2020 | Public Review Date: Jan 8, 2021 | Final Action Date: Mar 22, 2021 | Approved

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

- ANSI/AWS A5.35/A5.35M-AMD1-2016, Specification for Covered Electrodes for Underwater Wet Shielded Metal Arc Welding  
  (revision of ANSI/AWS A5.35/A5.35M-2015)
  PINS Date: Jun 3, 2016 | Public Review Date: Jul 1, 2016 | Final Action Date: Aug 22, 2016 | Approved

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

- ANSI/AWS A5.4/A5.4M-12012, Specification for Stainless Steel Electrodes for Shielded Metal Arc Welding  
  (revision of ANSI/AWS A5.4/A5.4M-2006)
  PINS Date: Feb 11, 2011 | Public Review Date: Mar 30, 2012 | Final Action Date: Oct 5, 2012 | Approved

- ANSI/AWS A5.5/A5.5M-2014, Specification for Low-Alloy Steel Electrodes for Shielded Metal Arc Welding  
  (revision of ANSI/AWS A5.5/A5.5M-2006)
  PINS Date: Jun 5, 2009 | Public Review Date: Jan 24, 2014 | Final Action Date: Apr 16, 2014 | Approved

- ANSI/AWS A5.6/A5.6M-2008 (R2017), Specification for Copper and Copper-Alloy Electrodes for Shielded Metal Arc Welding  
  (reaffirmation of ANSI/AWS A5.6/A5.6M-2008)
  Public Review Date: Mar 31, 2017 | Final Action Date: Jul 11, 2017 | Approved

- ANSI/AWS A5.7/A5.7M-2007 (R2017), Specification for Copper and Copper-Alloy Bare Welding Rods and Electrodes  
  (reaffirmation of ANSI/AWS A5.7/A5.7M-2007)
  Public Review Date: Mar 3, 2017 | Final Action Date: Jul 11, 2017 | Approved

- ANSI/AWS A5.8M/A5.8-2019, Specification for Filler Metals for Brazing and Braze Welding  
  (revision of ANSI/AWS A5.8M/A5.8-2011)
  PINS Date: Aug 5, 2016 | Public Review Date: Mar 8, 2019 | Final Action Date: May 21, 2019 | Approved

  (revision of ANSI/AWS A5.9/A5.9M-2012)
  Public Review Date: Sep 30, 2016 | Final Action Date: Dec 9, 2016 | Approved
AWS (American Welding Society)

  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

- 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

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- 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 B2.1-1-023-2019, 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 Downhill) Followed by E7018, in the As-Welded or PWHT Condition, Primarily Plate and Structural Applications (new standard)
  PINS Date: Dec 20, 2013 | Public Review Date: Jul 28, 2017 | Final Action Date: Apr 10, 2018 | Approved

- ANSI/AWS B2.1-1-026-2018, Standard Welding Procedure Specification (SWPS) for Shielded Metal Arc Welding of Carbon Steel (M-1/P-1, Group 1 or 2) 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, E6010 (Vertical Uphill) Followed by E7018, in the As-Welded or PWHT Condition, Primarily Plate and Structural Applications (revision of ANSI/AWS B2.1-1-027-2011)
  PINS Date: Oct 30, 2015 | Public Review Date: Dec 22, 2017 | Final Action Date: Feb 16, 2018 | Approved

- ANSI/AWS B2.1-1-201-2019, 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 1/2 inch [19 mm] Thick, E6010 (Vertical Uphill) Followed by E7018, 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

  PINS Date: Mar 30, 2018 | Public Review Date: Aug 31, 2018 | Final Action Date: Mar 1, 2019 | Approved

  PINS Date: Mar 30, 2018 | Public Review Date: Aug 31, 2018 | Final Action Date: Mar 1, 2019 | Approved
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<td>ANSI/AWS B2.1-1-209-2019</td>
<td>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)</td>
<td>Aug 26, 2016</td>
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<td>ANSI/AWS B2.1-1-232-2019</td>
<td>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 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)</td>
<td>Aug 26, 2016</td>
<td>Apr 27, 2018</td>
<td>Jul 31, 2019</td>
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AWS (American Welding Society)

- ANSI/AWS B2.1-1-235-2020-AMD1, Standard Welding Procedure Specification (SWPS) for 98% Argon Plus 2% Oxygen Shielded Gas Metal Arc Welding (Spray Transfer Mode) of Carbon Steel (M-1/P-1, Group 1 or 2), 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, ER70S-3, in the As-Welded or PWHT Condition, Primarily Pipe Applications (revision and redesignation of ANSI/AWS B2.1-1-235-2019)
  PINS Date: Mar 12, 2021 | Public Review Date: Dec 10, 2021 | Final Action Date: Feb 17, 2022 | Approved

  PINS Date: Aug 6, 2010 | Public Review Date: Nov 23, 2012 | Final Action Date: Mar 14, 2013 | Approved

- ANSI/AWS B2.1-1/8-010-2015 (R2021), Standard Welding Procedure Specification (SWPS) for Gas Tungsten Arc Welding of Carbon Steel (M-1/P-1) to Austenitic Stainless Steel (M-8/ P-8), 18 through 10 Gauge, in the As-Welded Condition, with or without Backing (reaffirmation of ANSI/AWS B2.1-1/8-010-2015)
  PINS Date: Apr 30, 2021 | Public Review Date: Jun 18, 2021 | Final Action Date: Sep 3, 2021 | Approved

  PINS Date: Aug 6, 2010 | Public Review Date: Nov 23, 2012 | Final Action Date: Mar 11, 2013 | Approved

- ANSI/AWS B2.1-1/8-227-2002 (R2013), Standard Welding Procedure Specification (SWPS) for Gas Tungsten Arc Welding of Carbon Steel (M-1/P-1, Groups 1 or 2) to Austenitic Stainless Steel (M-8/P-8, Group 1), 1/16 through 1-1/2 inch Thick, ER309(L), As-Welded Condition, Primarily Pipe Applications (reaffirmation of ANSI/AWS B2.1-1/8-227-2002)
  PINS Date: Aug 13, 2010 | Public Review Date: Nov 23, 2012 | Final Action Date: Mar 11, 2013 | Approved

- ANSI/AWS B2.1-1/8-228-2002 (R2013), Standard Welding Procedure Specification (SWPS) for Shielded Metal Arc Welding of Carbon Steel (M-1/P-1/S-1, Groups 1 or 2) to Austenitic Stainless Steel (M-8/P-8/S-8, Group 1), 1/8 through 1-1/2 inch Thick, E309(L) -15, -16, or -17, As-Welded Condition, Primarily Pipe Applications (reaffirmation of ANSI/AWS B2.1-1/8-228-2002)
  PINS Date: Aug 13, 2010 | Public Review Date: Nov 23, 2012 | Final Action Date: Mar 11, 2013 | Approved

- ANSI/AWS B2.1-1/8-229-2002 (R2013), Standard Welding Procedure Specification (SWPS) for Gas Tungsten Arc Welding followed by Shielded Metal Arc Welding of Carbon Steel (M-1/P-1, Groups 1 or 2) to Austenitic Stainless Steel (M-8/P-8, Group 1), 1/8 through 1-1/2 inch Thick, ER309(L) and E309(L) -15, -16, or -17, As-Welded Condition, Primarily Pipe Applications (reaffirmation of ANSI/AWS B2.1-1/8-229-2002)
  PINS Date: Aug 13, 2010 | Public Review Date: Nov 23, 2012 | Final Action Date: Mar 11, 2013 | Approved

- ANSI/AWS B2.1-1/8-230-2002 (R2013), Standard Welding Procedure Specification (SWPS) for Gas Tungsten Arc Welding with Consumable Insert Root of Carbon Steel (M-1/P-1, Groups 1 or 2) to Austenitic Stainless Steel (M-8/P-8, Group 1), 1/16 through 1-1/2 inch Thick, IN309 and ER309(L), As-Welded Condition, Primarily Pipe Applications (reaffirmation of ANSI/AWS B2.1-1/8-230-2002)
  PINS Date: Aug 13, 2010 | Public Review Date: Nov 23, 2012 | Final Action Date: Mar 11, 2013 | Approved

- ANSI/AWS B2.1-1/8-231:2015, Standard Welding Procedure Specification (SWPS) for Gas Tungsten Arc Welding with Consumable Insert Root of Carbon Steel (M-1/P-1, Groups 1 or 2) to Austenitic Stainless Steel (M-8/P-8, Group 1), 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, IN309, ER309(L), and E309(L)-XX, in the As-Welded Condition, Primarily Pipe Applications (revision of ANSI/AWS B2.1-1/8-231-2002)
  PINS Date: Mar 22, 2013 | Public Review Date: May 29, 2015 | Final Action Date: Jul 14, 2015 | Approved

- ANSI/AWS B2.1-22-015-2022, Standard Welding Procedure Specification (SWPS) for Gas Tungsten Arc Welding of Aluminum (M/P-22 to M/P-22), 18 through 10 Gauge, ER4043 or R4043, in the As-Welded Condition, with or without Backing (new standard)
  PINS Date: Apr 30, 2021 | Public Review Date: Sep 24, 2021 | Final Action Date: Nov 29, 2021 | Approved
AWS (American Welding Society)

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PINS Date: Mar 15, 2019 | Public Review Date: Mar 19, 2021 | Final Action Date: Jul 1, 2021 | Approved

PINS Date: Mar 15, 2019 | Public Review Date: Mar 19, 2021 | Final Action Date: Jul 1, 2021 | Approved

PINS Date: Mar 15, 2019 | Public Review Date: Mar 19, 2021 | Final Action Date: Jul 1, 2021 | Approved

- ANSI/AWS B2.1-4-221-2021, Standard Welding Procedure Specification (SWPS) for Gas Tungsten Arc Welding (Consumable Insert Root) followed by Shielded Metal Arc Welding of Chromium-Molybdenum Steel (M-4/P-4, Group 1 or 2), IN515, ER80S-B2, and E8018-B2, 1/8 inch [3 mm] through 1/2 inch [13 mm] Thick, As-Welded Condition; 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, PWHT Condition, Primarily Pipe Applications (new standard)
PINS Date: Mar 15, 2019 | Public Review Date: Mar 19, 2021 | Final Action Date: Jul 1, 2021 | Approved

PINS Date: Mar 15, 2019 | Public Review Date: Sep 17, 2021 | Final Action Date: Dec 2, 2021 | Approved

PINS Date: Mar 15, 2019 | Public Review Date: Sep 17, 2021 | Final Action Date: Dec 2, 2021 | Approved

PINS Date: Mar 15, 2019 | Public Review Date: Sep 17, 2021 | Final Action Date: Dec 2, 2021 | Approved

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AWS (American Welding Society)

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  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

  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

  PINS Date: Mar 1, 2013 | Public Review Date: Mar 14, 2014 | Final Action Date: Sep 12, 2014 | Approved
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<td>Specification for Thermal Spraying Zinc Anodes on Steel Reinforced Concrete  (new standard)</td>
<td>Jul 12, 2013</td>
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<td>ANSI/AWS C3.5M/C3.5-2016-AMD1</td>
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AWS (American Welding Society)

- ANSI/AWS C3.6M/C3.6-2019 AMD1, Specification for Furnace Brazing (revision and redesignation of ANSI/AWS C3.6M/C3.6-2016)
  PINS Date: May 31, 2019 | Public Review Date: Aug 16, 2019 | Final Action Date: Oct 10, 2019 | Approved

- ANSI/AWS C3.7M/C3.7-2011 (R2021), Specification for Aluminum Brazing (reaffirmation of ANSI/AWS C3.7M/C3.7-2011)
  PINS Date: Jun 9, 2017 | Public Review Date: Aug 13, 2021 | Final Action Date: Sep 28, 2021 | Approved

- ANSI/AWS C3.8M/C3.8-2020, Specification for the Ultrasonic Pulse-Echo Examination of Brazed Joints (revision of ANSI/AWS C3.8M/C3.8-2011)
  PINS Date: May 3, 2019 | Public Review Date: May 22, 2020 | Final Action Date: Jul 9, 2020 | Approved

  PINS Date: Jun 9, 2017 | Public Review Date: May 22, 2020 | Final Action Date: Jul 9, 2020 | Approved

  PINS Date: Nov 22, 2013 | Public Review Date: Jan 6, 2017 | Final Action Date: Mar 2, 2017 | Approved

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  PINS Date: Nov 15, 2013 | Public Review Date: Sep 24, 2021 | Final Action Date: Dec 17, 2021 | Approved

  PINS Date: Mar 2, 2012 | Public Review Date: Mar 30, 2012 | Final Action Date: Oct 30, 2012 | Approved

- ANSI/AWS C4.7/C4.7M-2020, Recommended Practices for Oxyacetylene Welding of Steel (new standard)
  PINS Date: Sep 18, 2015 | Public Review Date: Jul 5, 2019 | Final Action Date: Jan 7, 2020 | Approved

  PINS Date: Aug 26, 2016 | Public Review Date: Oct 9, 2020 | Final Action Date: Mar 4, 2021 | Approved

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

  Public Review Date: Sep 21, 2012 | Final Action Date: Feb 5, 2013 | Approved

  PINS Date: Nov 22, 2013 | Public Review Date: Dec 4, 2015 | Final Action Date: Jan 26, 2016 | Approved

  PINS Date: Jan 21, 2011 | Public Review Date: May 5, 2017 | Final Action Date: Jun 27, 2017 | Approved

  Public Review Date: Jan 20, 2017 | Final Action Date: Feb 16, 2017 | Approved
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# ANSI/AWS Standards Overview

- **Status**: New standard
- **Dates**:
  - PINS Date: Oct 25, 2013
  - Public Review Date: Oct 30, 2020
  - Final Action Date: Jan 25, 2021
- **Approval**: Approved

- **Status**: Revision of ANSI/AWS D16.3M/D16.3-2008
- **Dates**:
  - PINS Date: Oct 25, 2013
  - Public Review Date: Dec 9, 2016
  - Final Action Date: Jan 24, 2017
- **Approval**: Approved

## ANSI/AWS D16.4M/D16.4-2014, Specification for the Qualification of Robotic Arc Welding Personnel
- **Status**: Revision of ANSI/AWS D16.4M/D16.4-2005
- **Dates**:
  - PINS Date: Jul 10, 2009
  - Public Review Date: Jul 4, 2014
  - Final Action Date: Dec 12, 2014
- **Approval**: Approved

- **Status**: New standard
- **Dates**:
  - PINS Date: Apr 12, 2013
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- **Approval**: Approved

- **Status**: Revision of ANSI/AWS D17.1/D17.1M-2017a
- **Dates**:
  - PINS Date: Aug 3, 2018
  - Public Review Date: Oct 12, 2018
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- **Approval**: Approved

- **Status**: Revision of ANSI/AWS D17.2/D17.2M-2012
- **Dates**:
  - PINS Date: Feb 1, 2013
  - Public Review Date: Dec 29, 2017
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- **Approval**: Approved

- **Status**: Revision of ANSI/AWS D17.3/D17.3M-2016
- **Dates**:
  - PINS Date: Nov 18, 2016
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- **Status**: New standard
- **Dates**:
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  - Public Review Date: Dec 27, 2019
  - Final Action Date: Mar 5, 2020
- **Approval**: Approved

## ANSI/AWS D18.2-2020, Guide to Weld Discoloration Levels on Inside of Austenitic Stainless Steel Tube
- **Status**: New standard
- **Dates**:
  - PINS Date: Mar 13, 2015
  - Public Review Date: Dec 27, 2019
  - Final Action Date: Mar 5, 2020
- **Approval**: Approved

## ANSI/AWS D18.3/D18.3M-2015, Specification for Welding of Tanks, Vessels, and Other Equipment in Sanitary (Hygienic) Applications
- **Status**: Revision of ANSI/AWS D18.3/D18.3M-2005
- **Dates**:
  - PINS Date: Nov 8, 2013
  - Public Review Date: Jul 3, 2015
  - Final Action Date: Aug 20, 2015
- **Approval**: Approved

- **Status**: New standard
- **Dates**:
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  - Public Review Date: Oct 26, 2018
  - Final Action Date: Dec 17, 2018
- **Approval**: Approved

- **Status**: Revision of ANSI/AWS D3.6M-2010
- **Dates**:
  - PINS Date: Aug 15, 2014
  - Public Review Date: Oct 21, 2016
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- **Approval**: Approved

- **Status**: Revision and redesignation of ANSI/AWS D3.9/D3.9-2010
- **Dates**:
  - PINS Date: Apr 3, 2015
  - Public Review Date: Mar 8, 2019
  - Final Action Date: May 14, 2019
- **Approval**: Approved

## ANSI/AWS D8.10M-2021, Specification for Automotive Weld Quality - Laser Beam Welding of Steel
- **Status**: New standard
- **Dates**:
  - PINS Date: Sep 16, 2016
  - Public Review Date: Jul 17, 2020
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AWS (American Welding Society)

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  PINS Date: Mar 15, 2013 | Public Review Date: May 12, 2017 | Final Action Date: Sep 29, 2017 | Approved

- ANSI/AWS F1.1M-2017, Methods for Sampling Fumes and Gases Generated by Welding and Allied Processes (new standard)
  PINS Date: Jul 3, 2009 | Public Review Date: Aug 11, 2017 | Final Action Date: Sep 29, 2017 | Approved

  PINS Date: Sep 14, 2012 | Public Review Date: Oct 5, 2012 | Final Action Date: Feb 25, 2013 | Approved

  PINS Date: Apr 4, 2008 | Public Review Date: Mar 31, 2017 | Final Action Date: Aug 18, 2017 | Approved

- ANSI/AWS F2.2-2001 (R2019), Lens Shade Selector (reaffirmation of ANSI/AWS F2.2-2001 (R2009))
  PINS Date: May 26, 2017 | Public Review Date: Mar 29, 2019 | Final Action Date: Jun 11, 2019 | Approved

  PINS Date: May 26, 2017 | Public Review Date: Jan 25, 2019 | Final Action Date: Apr 10, 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
AWS (American Welding Society)

- ANSI/AWS G1.6-2022, Specification for the Training, Qualification, and Company Certification of Thermoplastic Welding Inspector Specialists and Thermoplastic Welding Inspector Assistants (new standard)
  PINS Date: Aug 12, 2016 | Public Review Date: Feb 26, 2021 | Final Action Date: Dec 7, 2021 | Approved

  PINS Date: Apr 9, 2010 | Public Review Date: Jul 20, 2012 | Final Action Date: Oct 16, 2012 | Approved

- ANSI/AWS G2.3M/G2.3-2018, Guide for the Joining of Solid Solution Austenitic Stainless Steels (revision of ANSI/AWS G2.3M/G2.3-2012)
  PINS Date: Oct 9, 2015 | Public Review Date: Jun 29, 2018 | Final Action Date: Aug 16, 2018 | Approved

- ANSI/AWS G2.4/G2.4M-2021, Guide for the Fusion Welding of Titanium and Titanium Alloys (revision of ANSI/AWS G2.4/G2.4M-2014)
  PINS Date: Aug 18, 2017 | Public Review Date: Feb 12, 2021 | Final Action Date: May 20, 2021 | Approved

- ANSI/AWS J1.1/J1.1M-2013, Specification for Resistance Welding Controls (new standard)
  PINS Date: Dec 25, 2009 | Public Review Date: Apr 26, 2013 | Final Action Date: Jul 29, 2013 | Approved

- ANSI/AWS J1.2M/J1.2-2016, Guide for Installation and Maintenance of Resistance Welding Machines (new standard)
  PINS Date: Oct 3, 2014 | Public Review Date: Jul 10, 2015 | Final Action Date: Aug 4, 2016 | Approved

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  PINS Date: Jun 29, 2018 | Public Review Date: Mar 15, 2019 | Final Action Date: Mar 16, 2020 | Approved
AWS (American Welding Society)

- ANSI/AWS NAVSEA B2.1-8-310-2020, Standard Welding Procedure Specification for Naval Applications (SWPS-N) for Gas Tungsten Arc Welding Followed by Shielded Metal Arc Welding of Austenitic Stainless Steel (S-8), 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, MIL-3XX and MIL-3XX-XX, in the As-Welded Condition, Primarily Plate and Structural Naval Applications (new standard)
  PINS Date: Jul 13, 2018 | Public Review Date: Mar 15, 2019 | Final Action Date: Mar 16, 2020 | Approved

  PINS Date: Jul 13, 2018 | Public Review Date: Mar 15, 2019 | Final Action Date: Mar 16, 2020 | Approved

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  PINS Date: Nov 13, 2015 | Public Review Date: Aug 18, 2017 | Final Action Date: Feb 16, 2018 | Approved

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  PINS Date: Jul 8, 2016 | Public Review Date: Jun 1, 2018 | Final Action Date: Aug 3, 2018 | Approved

  PINS Date: Jul 8, 2016 | Public Review Date: Jun 1, 2018 | Final Action Date: Aug 3, 2018 | Approved
AWS (American Welding Society)

  PINS Date: Feb 5, 2016 | Public Review Date: Sep 1, 2017 | Final Action Date: Dec 19, 2017 | Approved

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  PINS Date: Jul 8, 2016 | Public Review Date: Jun 1, 2018 | Final Action Date: Aug 3, 2018 | Approved

  PINS Date: Jul 8, 2016 | Public Review Date: Jun 1, 2018 | Final Action Date: Aug 3, 2018 | Approved

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AWS (ASC Z49) (American Welding Society)
8669 NW 36th Street, Suite 130, Miami, FL 33166-6672 | w: www.aws.org

  PINS Date: Sep 30, 2016 | Public Review Date: Apr 30, 2021 | Final Action Date: Jul 2, 2021 | Approved

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
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## AWWA (American Water Works Association)


- **ANSI/AWWA C104/A21.4-2016**, Cement-Mortar Lining for Ductile-Iron Pipe and Fittings  (revision of ANSI/AWWA C104/A21.4-2013)<br>  | PINS Date: Sep 12, 2014 | Public Review Date: Feb 15, 2019 | Final Action Date: Apr 10, 2019 | Approved

- **ANSI/AWWA C105/A21.5-2018**, Polyethylene Encasement for Ductile-Iron Pipe Systems  (revision of ANSI/AWWA C105/A21.5-2010)<br>  | PINS Date: May 25, 2012 | Public Review Date: Jun 1, 2018 | Final Action Date: Sep 21, 2018 | Approved


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<td>Field Welding of Steel Water Pipe</td>
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AWWA (American Water Works Association)

- 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)
  PINS Date: Oct 16, 2015 | Public Review Date: Dec 25, 2020 | Final Action Date: Jul 1, 2021 | Approved

- ANSI/AWWA C563-2021, Fabricated Composite Slide Gates (revision of ANSI/AWWA C563-2014)
  PINS Date: Oct 16, 2015 | Public Review Date: Dec 25, 2020 | Final Action Date: Jul 1, 2021 | Approved

  PINS Date: May 25, 2012 | Public Review Date: Dec 23, 2016 | Final Action Date: Feb 14, 2017 | Approved

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

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

- ANSI/AWWA C605-2021, Underground Installation of Polyvinyl Chloride (PVC) and Molecularly Oriented Polyvinyl Chloride (PVCO) Pressure Pipe and Fittings (revision of ANSI/AWWA C605-2013)
  PINS Date: Sep 12, 2014 | Public Review Date: Sep 18, 2020 | Final Action Date: Feb 5, 2021 | Approved

- 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
Approved American National Standards

AWWA (American Water Works Association)

- ANSI/AWWA C654-2021, Disinfection of Wells  (revision of ANSI/AWWA C654-2013)
  PINS Date: Sep 12, 2014 | Public Review Date: Jun 18, 2021 | Final Action Date: Aug 23, 2021 | Approved

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

  PINS Date: Sep 30, 2016 | Public Review Date: Jun 12, 2020 | Final Action Date: Aug 4, 2020 | Approved

- ANSI/AWWA C671-2021, Online Turbidimeter Operation and Maintenance  (revision of ANSI/AWWA C671-2015)
  PINS Date: Sep 1, 2017 | Public Review Date: Feb 12, 2021 | Final Action Date: Apr 5, 2021 | Approved

- ANSI/AWWA C700-2020, Cold-Water Meters – Displacement Type, Metal Alloy Main Case  (revision of ANSI/AWWA C700-2015)
  PINS Date: Sep 30, 2016 | Public Review Date: Nov 29, 2019 | Final Action Date: Mar 24, 2020 | Approved

  PINS Date: Sep 30, 2016 | Public Review Date: Sep 27, 2019 | Final Action Date: Nov 21, 2019 | Approved

- ANSI/AWWA C702-2019, Cold-Water Meters – Compound Type  (revision of ANSI/AWWA C702-2015)
  PINS Date: Sep 30, 2016 | Public Review Date: Sep 27, 2019 | Final Action Date: Nov 21, 2019 | Approved

- ANSI/AWWA C703-2019, Cold-Water Meters – Fire-Service Type  (revision of ANSI/AWWA C703-2015)
  PINS Date: Sep 30, 2016 | Public Review Date: Sep 27, 2019 | Final Action Date: Nov 21, 2019 | Approved

  PINS Date: Sep 30, 2016 | Public Review Date: Sep 27, 2019 | Final Action Date: Nov 21, 2019 | Approved

- ANSI/AWWA C707-2010 (R2015), Encoder-Type Remote-Registration Systems for Cold-Water Meters  (reaffirmation of ANSI/AWWA C707-2010)
  Public Review Date: Jul 10, 2015 | Final Action Date: Aug 31, 2015 | Approved

  PINS Date: Sep 30, 2016 | Public Review Date: Sep 27, 2019 | Final Action Date: Nov 21, 2019 | Approved

- 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

  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

  PINS Date: Sep 12, 2014 | Public Review Date: Apr 12, 2019 | Final Action Date: Jun 7, 2019 | Approved

- 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
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**AWWA (American Water Works Association)**

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

  PINS Date: May 25, 2012 | Public Review Date: Apr 19, 2019 | Final Action Date: Jun 11, 2019 | Approved

- ANSI/AWWA D110-2013 (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

- ANSI/AWWA D115-2020, Tendon-Prestressed Concrete Water Tanks  (revision, redesignation and consolidation of
  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: Sep 27, 2013 | Final Action Date: Nov 26, 2013 | Approved

- ANSI/AWWA D130-2011 (R2019), Geomembrane Materials for Potable Water Applications  (reaffirmation of
  ANSI/AWWA D130-2011)
  PINS Date: May 3, 2013 | Public Review Date: May 24, 2019 | Final Action Date: Jul 19, 2019 | Approved

  PINS Date: Apr 15, 2011 | Public Review Date: Dec 23, 2016 | Final Action Date: Feb 23, 2017 | Approved

  PINS Date: Sep 30, 2016 | Public Review Date: Jun 18, 2021 | Final Action Date: Sep 28, 2021 | Approved

- ANSI/AWWA E110-2022, Solids Handling Pumps For Wastewater Applications  (new standard)
  PINS Date: Feb 12, 2016 | Public Review Date: Apr 29, 2022 | Final Action Date: Jun 24, 2022 | Approved

  PINS Date: Dec 26, 2014 | Public Review Date: Dec 1, 2017 | Final Action Date: Feb 14, 2018 | Approved

- ANSI/AWWA F101-2019, Contact-Molded, Fiberglass-Reinforced Plastic Wash-Water Troughs and Launderers  (revision of
  ANSI/AWWA F101-2013)
  PINS Date: Sep 12, 2014 | Public Review Date: Dec 28, 2018 | Final Action Date: Feb 22, 2019 | Approved

  Brackets  (revision of ANSI/AWWA F102-2013)
  PINS Date: Sep 12, 2014 | Public Review Date: Nov 16, 2018 | Final Action Date: Feb 1, 2019 | Approved

- ANSI/AWWA F110-2022, Ultraviolet Disinfection Systems for Drinking Water  (revision of ANSI/AWWA F110-2016)
  PINS Date: Sep 1, 2017 | Public Review Date: May 20, 2022 | Final Action Date: Aug 18, 2022 | Approved

- 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 F130-2022, Aeration Systems for Biological Wastewater Treatment  (new standard)
  PINS Date: Apr 29, 2016 | Public Review Date: May 13, 2022 | Final Action Date: Jul 21, 2022 | Approved
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**B11 (B11 Standards, Inc.)**

PO Box 690905, Houston, TX  77269-0905 | w: https://www.b11standards.org/

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B11 (B11 Standards, Inc.)

  PINS Date: Aug 23, 2019 | Public Review Date: Feb 28, 2020 | Final Action Date: May 8, 2020 | Approved

- ANSI B11.10-2003 (R2020), Safety Requirements for Metal Sawing Machines  (reaffirmation of ANSI B11.10-2003 (R2015))
  Public Review Date: Feb 28, 2020 | Final Action Date: May 8, 2020 | Approved

  PINS Date: Aug 23, 2019 | Public Review Date: Feb 28, 2020 | Final Action Date: May 7, 2020 | Approved

  Public Review Date: Jul 10, 2020 | Final Action Date: Sep 18, 2020 | Approved

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

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

- ANSI B11.18-1997 (R2020), Safety Requirements for Machines Processing or Slitting Coiled or Non-coiled Metal  (reaffirmation of ANSI B11.18-1997 (R2012))
  Public Review Date: Feb 28, 2020 | Final Action Date: May 8, 2020 | Approved

- ANSI B11.2-2013 (R2020), Safety Requirements for Hydraulic and Pneumatic Power Presses  (reaffirmation of ANSI B11.2-2013)
  PINS Date: Aug 4, 2017 | Public Review Date: Feb 28, 2020 | Final Action Date: May 8, 2020 | Approved

  PINS Date: Aug 8, 2014 | Public Review Date: Jun 16, 2017 | Final Action Date: Sep 12, 2017 | Approved

  Public Review Date: Feb 28, 2020 | Final Action Date: May 7, 2020 | Approved

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

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

- ANSI B11.24-2001 (R2020), Safety Requirements for Transfer Machines  (reaffirmation of ANSI B11.24-2001 (R2012))
  PINS Date: Feb 18, 2011 | Public Review Date: Feb 28, 2020 | Final Action Date: May 7, 2020 | Approved

- ANSI B11.25-2015, Safety requirements for large machines  (new standard)
  PINS Date: Feb 8, 2013 | Public Review Date: Mar 6, 2015 | Final Action Date: Apr 7, 2015 | Approved

  PINS Date: Sep 14, 2012 | Public Review Date: Jun 22, 2018 | Final Action Date: Nov 27, 2018 | Approved
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B11 (B11 Standards, Inc.)

- ANSI B11.27-2020, Safety Requirements for Electro-Discharge Machines  (new standard)
  PINS Date: Mar 3, 2017 | Public Review Date: May 22, 2020 | Final Action Date: Jul 7, 2020 | Approved

- ANSI B11.4-2003 (R2020), Safety Requirements for Shears  (reaffirmation of ANSI B11.4-2003 (R2013))
  Public Review Date: Feb 28, 2020 | Final Action Date: May 8, 2020 | Approved

- ANSI B11.5-1988 (R2020), Ironworkers - Safety Requirements for Construction, Care, and Use  (reaffirmation of ANSI B11.5-1988 (R2013))
  Public Review Date: Feb 28, 2020 | Final Action Date: May 8, 2020 | Approved

- ANSI B11.6-2022, Safety Requirements for Manual Turning Machines (Lathes) with or without Automatic Control  (revision of ANSI B11.6-2001 (R2020))
  PINS Date: Feb 18, 2011 | Public Review Date: Jan 21, 2022 | Final Action Date: Mar 8, 2022 | Approved

- ANSI B11.7-2020, Cold Headers and Cold Formers - Safety Requirements for Construction, Care, and Use  (revision of ANSI B11.7-1995 (R2020))
  PINS Date: Apr 7, 2006 | Public Review Date: Jun 26, 2020 | Final Action Date: Sep 8, 2020 | Approved

- ANSI B11.8-2021, Safety Requirements for Manual Milling, Drilling and Boring Machines with or without Automatic Control  (revision of ANSI B11.8-2001 (R2020))
  PINS Date: Feb 18, 2011 | Public Review Date: Jan 29, 2021 | Final Action Date: May 24, 2021 | Approved

- ANSI B11.9-2010 (R2020), Safety Requirements for Grinding Machines  (reaffirmation of ANSI B11.9-2010 (R2015))
  PINS Date: Aug 23, 2019 | Public Review Date: Feb 28, 2020 | Final Action Date: May 8, 2020 | Approved

- ANSI/B11.15-2022, Safety Requirements for Bar, Pipe, Tube, and Shape Bending Machines  (revision of ANSI B11.15-2001 (R2020))
  PINS Date: Feb 18, 2011 | Public Review Date: Nov 5, 2021 | Final Action Date: Jan 7, 2022 | Approved

  PINS Date: Feb 27, 2015 | Public Review Date: Jun 21, 2019 | Final Action Date: Oct 11, 2019 | Approved

- ANSI/B11.3-2022, Safety Requirements for Power Press Brakes  (revision of ANSI B11.3-2012 (R2020))
  PINS Date: Nov 19, 2021 | Public Review Date: Feb 4, 2022 | Final Action Date: Mar 8, 2022 | Approved

  PINS Date: Nov 18, 2011 | Public Review Date: Dec 30, 2011 | Final Action Date: Mar 5, 2012 | Approved

BHCOE (Behavioral Health Center of Excellence)

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

  PINS Date: May 10, 2019 | Public Review Date: Jul 3, 2020 | Final Action Date: Nov 23, 2020 | Approved

- ANSI/BHCOE 201-2022, Standards of Excellence for Applied Behavior Analysis Services  (new standard)
  PINS Date: May 17, 2019 | Public Review Date: May 27, 2022 | Final Action Date: Aug 10, 2022 | Approved

BHMA (Builders Hardware Manufacturers Association)

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

- ANSI/BHMA A156.1-2016, Butts and Hinges  (revision of ANSI/BHMA A156.1-2013)
  PINS Date: Aug 21, 2015 | Public Review Date: Oct 14, 2016 | Final Action Date: Dec 15, 2016 | Approved
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<td>A156.4-2019</td>
<td>Standard for Door Controls - Closers</td>
<td>(revision of ANSI/BHMA A156.4-2013)</td>
<td>Jan 5, 2018</td>
<td>Mar 22, 2019</td>
<td>Jul 9, 2019</td>
<td>Approved</td>
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BHMA (Builders Hardware Manufacturers Association)

- ANSI/BHMA A156.41-2020, STANDARD FOR DOOR HARDWARE SINGLE MOTION TO EGRESS (revision of ANSI/BHMA A156.41-2017)
  Public Review Date: Jul 10, 2020 | Final Action Date: Sep 4, 2020 | Approved

- ANSI/BHMA A156.44-2021, Standard For Hardware For Architectural Glass Openings (new standard)
  PINS Date: Dec 18, 2020 | Public Review Date: Jul 23, 2021 | Final Action Date: Sep 23, 2021 | Approved

- ANSI/BHMA A156.5-2020, Standard for Cylinders and Input Devices (revision of ANSI/BHMA A156.5-2014)
  PINS Date: Nov 30, 2018 | Public Review Date: Jan 3, 2020 | Final Action Date: Apr 1, 2020 | Approved

- ANSI/BHMA A156.6-2021, Standard For Architectural Door Trim (revision of ANSI/BHMA A156.6-2015)
  PINS Date: Apr 3, 2020 | Public Review Date: Jul 23, 2021 | Final Action Date: Sep 13, 2021 | Approved

- ANSI/BHMA A156.7-2021, Standard for Template Hinge Dimensions (revision of ANSI/BHMA A156.7-2016)
  PINS Date: Apr 3, 2020 | Public Review Date: Aug 6, 2021 | Final Action Date: Jan 26, 2022 | Approved

- ANSI/BHMA A156.8-2021, Door Controls - Overhead Stops And Holders (revision of ANSI/BHMA A156.8-2015)
  PINS Date: Apr 3, 2020 | Public Review Date: Jan 29, 2021 | Final Action Date: Apr 15, 2021 | Approved

- ANSI/BHMA A156.9-2020, Standard For Cabinet Hardware (revision of ANSI/BHMA A156.9-2015)
  PINS Date: Apr 3, 2020 | Public Review Date: Sep 11, 2020 | Final Action Date: Nov 12, 2020 | Approved

BICSI (Building Industry Consulting Service International)

  PINS Date: Apr 2, 2021 | Public Review Date: Jul 23, 2021 | Final Action Date: Jan 31, 2022 | Approved

  PINS Date: Oct 20, 2017 | Public Review Date: Dec 7, 2018 | Final Action Date: Feb 8, 2019 | Approved

  PINS Date: Nov 27, 2009 | Public Review Date: Oct 25, 2013 | Final Action Date: Dec 20, 2013 | Approved

  PINS Date: Nov 25, 2016 | Public Review Date: Feb 23, 2018 | Final Action Date: Apr 5, 2018 | Approved

  PINS Date: Jul 6, 2018 | Public Review Date: Jul 26, 2019 | Final Action Date: Nov 11, 2019 | Approved

  PINS Date: Jun 14, 2019 | Public Review Date: Mar 27, 2020 | Final Action Date: May 4, 2020 | Approved

  PINS Date: Oct 16, 2015 | Public Review Date: Oct 20, 2017 | Final Action Date: Dec 4, 2017 | Approved

- ANSI/BICSI N1-2019, Installation Practices for Telecommunications and ICT Cabling and Related CablingInfrastructure (new standard)
  PINS Date: May 26, 2017 | Public Review Date: Oct 5, 2018 | Final Action Date: Dec 6, 2018 | Approved
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The data in this document is reported as of Monday, August 29, 2022

BICSI (Building Industry Consulting Service International)

- ANSI/BICSI N2-2017, Practices For The Installation of Telecommunications and ICT Cabling Intended to Support Remote Power Applications (new standard)
  PINS Date: May 26, 2017 | Public Review Date: Jul 28, 2017 | Final Action Date: Oct 11, 2017 | Approved

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

BIFMA (Business and Institutional Furniture Manufacturers Association)

  PINS Date: Mar 5, 2021 | Public Review Date: Aug 27, 2021 | Final Action Date: Nov 12, 2021 | Approved

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

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

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

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

- ANSI/BIFMA X5.5-2021, Panel Systems (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), Storage Units (reaffirmation of ANSI/BIFMA X5.6-2016)
  PINS Date: Sep 7, 2018 | Public Review Date: Nov 27, 2020 | Final Action Date: Feb 8, 2021 | Approved

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

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

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

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

  PINS Date: Mar 5, 2021 | Public Review Date: Aug 27, 2021 | Final Action Date: Nov 12, 2021 | Approved

BOMA (Building Owners and Managers Association)

- 1101 15th Street, NW, Suite 800, Washington, DC  20005 | w: www.boma.org
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  PINS Date: Jul 17, 2015 | Public Review Date: Mar 3, 2017 | Final Action Date: Sep 12, 2017 | Approved

  PINS Date: Sep 16, 2016 | Public Review Date: Feb 14, 2020 | Final Action Date: Mar 19, 2020 | Approved

  PINS Date: Sep 16, 2016 | Public Review Date: Oct 12, 2018 | Final Action Date: Feb 8, 2019 | Approved

- ANSI/BOMA Z65.5-2020, BOMA 2020 for Retail Properties: Standard Method of Measurement  (new standard)
  PINS Date: Sep 16, 2016 | Public Review Date: Dec 25, 2020 | Final Action Date: Feb 11, 2021 | Approved

  PINS Date: Sep 16, 2016 | Public Review Date: Jun 25, 2021 | Final Action Date: Jan 13, 2022 | Approved

BPI (Building Performance Institute)
107 Hermes Road, Suite 110, Malta, NY 12020 | w: www.bpi.org

- ANSI/BPI-1100-T-2014, Home Energy Auditing Standard  (new standard)
  PINS Date: Oct 22, 2010 | Public Review Date: Jul 11, 2014 | Final Action Date: Nov 18, 2014 | Approved

  PINS Date: Apr 7, 2017 | Public Review Date: May 12, 2017 | Final Action Date: Jul 31, 2017 | Approved

CAGI (Compressed Air and Gas Institute)
1300 Sumner Avenue, Cleveland, OH 441152851 | w: www.cagi.orgwelcome.htm

  PINS Date: May 3, 2013 | Public Review Date: Jan 31, 2020 | Final Action Date: Sep 1, 2020 | Approved

  PINS Date: Nov 27, 2009 | Public Review Date: Mar 18, 2011 | Final Action Date: Nov 11, 2011 | Approved

  PINS Date: Oct 15, 2010 | Public Review Date: Jul 20, 2012 | Final Action Date: Jul 1, 2013 | Approved

CAPA (Certified Automotive Parts Association)
c/o Intertek, 4700 Broadmoor SE, Suite 200, Kentwood, MI 49512 | w: www.CAPAcertified.org

  PINS Date: May 31, 2019 | Public Review Date: Jul 19, 2019 | Final Action Date: Sep 10, 2019 | Approved

  PINS Date: May 31, 2019 | Public Review Date: Jul 19, 2019 | Final Action Date: Sep 10, 2019 | Approved

CEMA (Conveyor Equipment Manufacturers Association)
1250 Tamiami Trail N, Suite 211, Naples, FL 34102 | w: www.cemanet.org

- ANSI/CEMA 102-2012, Conveyor Terms and Definitions  (revision of ANSI/CEMA 102-2006)
  PINS Date: Jan 8, 2010 | Public Review Date: Sep 9, 2011 | Final Action Date: Jan 31, 2012 | Approved
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<td>ANSI/CEMA Standard No. 102-2022, Conveyor Terms and Definitions (revision of ANSI/CEMA Standard No. 102-2012)</td>
<td>PINS Date: Dec 24, 2021</td>
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<td>ANSI/CEMA Standard No. 300-2021, Screw Conveyor Dimensional Standards (revision and redesignation of ANSI/CEMA 300-2015)</td>
<td>PINS Date: May 8, 2020</td>
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CGA (Compressed Gas Association)

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

- ANSI CGA G-2.1-2014, Standard Safety Requirements for the Storage and Handling of Anhydrous Ammonia (ANSI K61.1) (new standard)
  PINS Date: Jan 9, 2009 | Public Review Date: Jul 12, 2013 | Final Action Date: Dec 12, 2014 | Approved

  Public Review Date: Feb 5, 2016 | Final Action Date: Aug 4, 2016 | Approved

  PINS Date: Jul 14, 2017 | Public Review Date: Jun 12, 2020 | Final Action Date: Oct 13, 2020 | Approved

- ANSI/CGA M-1-2018, Standard for Medical Gas Supply Systems at Health Care Facilities (new standard)
  PINS Date: Dec 27, 2013 | Public Review Date: Mar 11, 2016 | Final Action Date: Mar 23, 2018 | Approved

  PINS Date: Dec 23, 2016 | Public Review Date: Jun 19, 2020 | Final Action Date: Oct 28, 2020 | Approved

CPA (Composite Panel Association)

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

- ANSI A135.4-2012 (R2020), Basic Hardboard (reaffirmation of ANSI A135.4-2012)
  PINS Date: Mar 9, 2018 | Public Review Date: Apr 26, 2019 | Final Action Date: Mar 13, 2020 | Approved

- ANSI A135.5-2012 (R2020), Prefinished Hardboard Paneling (reaffirmation of ANSI A135.5-2012)
  PINS Date: Mar 9, 2018 | Public Review Date: Apr 26, 2019 | Final Action Date: Mar 13, 2020 | Approved

- ANSI A135.6-2012 (R2020), Engineered Wood Siding (reaffirmation of ANSI A135.6-2012)
  PINS Date: Mar 9, 2018 | Public Review Date: Apr 26, 2019 | Final Action Date: Mar 13, 2020 | Approved

- ANSI A135.7-2010 (R2020), Engineered Wood Trim (reaffirmation of ANSI A135.7-2010)
  PINS Date: Mar 9, 2018 | Public Review Date: Apr 26, 2019 | Final Action Date: Mar 13, 2020 | Approved

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

- ANSI/CPA A208.1-2022, Particleboard (revision and redesignation of ANSI A208.1-2016)
  PINS Date: Mar 19, 2021 | Public Review Date: Apr 29, 2022 | Final Action Date: Jun 22, 2022 | Approved

CPLSO (CPLSO)

The Marchioness Building, Commercial Road, Bristol BS16TG, UK BS1 6TG

  Public Review Date: Jul 16, 2021 | Final Action Date: Aug 31, 2021 | Approved

- ANSI/CPLSO 17-2022, Electrical Characteristics of ECDs and CEWs. (revision of ANSI/CPLSO-17-2017)
  Public Review Date: Mar 18, 2022 | Final Action Date: Jul 18, 2022 | Approved

- ANSI/CPLSO 60335-2-76-2020, Particular requirements for electric fence energizers (national adoption with modifications of IEC 60335-2-76 (2018))
  PINS Date: Dec 20, 2019 | Public Review Date: Mar 13, 2020 | Final Action Date: Jun 15, 2020 | Approved

- ANSI/CPLSO-14-2016 (R2021), Crane Insulators (reaffirmation of ANSI/CPLSO-14-2016)
  Public Review Date: Mar 12, 2021 | Final Action Date: May 11, 2021 | Approved

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<th><strong>CRRC (Cool Roof Rating Council)</strong></th>
<th>2435 N. Lombard Street, Portland, OR  97217</th>
<th>w: <a href="http://www.coolroofs.org">www.coolroofs.org</a></th>
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<th><strong>CRSI (Concrete Reinforcing Steel Institute)</strong></th>
<th>933 N Plum Grove Road, Schaumburg, IL  60173</th>
<th>w: <a href="http://www.crsi.org">www.crsi.org</a></th>
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<td>ANSI/CRSI CG1.2-2022, CRSI Standard for Epoxy Coating Plant: Custom Lines  (revision of ANSI/CRSI CG1.2-2016)</td>
<td>PINS Date: Dec 17, 2021</td>
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<th><strong>CSA (CSA America Standards Inc.)</strong></th>
<th>178 Rexdale Boulevard, Toronto, Ontario M9W 1R3, Ontario  M9W 1R3</th>
<th>w: <a href="http://www.csagroup.org">www.csagroup.org</a></th>
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<td>ANSI CSA LNG 4.1-2018, Liquefied natural gas (LNG) dispensing systems for natural gas vehicles (NGV)  (new standard)</td>
<td>PINS Date: May 12, 2017</td>
<td>Public Review Date: Apr 13, 2018</td>
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<td>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)</td>
<td>Public Review Date: Oct 7, 2016</td>
<td>Final Action Date: Nov 30, 2016</td>
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<td>ANSI NGV 4.8/CSA 12.8-2020, Natural gas vehicle fueling station compressor packages  (revision of ANSI NGV 4.8/CSA 12.8-2020 (R2016))</td>
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#### ANSI Z21.23-2021, Gas Appliance Thermostats, same as CSA 6.6 (revision of ANSI Z21.23-2010 (R2020))
- PINS Date: Jun 18, 2021
- Public Review Date: Nov 12, 2021
- Final Action Date: Jan 7, 2022

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

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

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

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

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

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

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

#### ANSI Z21.5.1-2017, Gas Clothes Dryers, Volume I, Type 1 Clothes Dryers, same as CSA 7.1-201x (revision of ANSI Z21.5.1-2016)
- PINS Date: Aug 26, 2016
- Public Review Date: Jun 16, 2017
- Final Action Date: Aug 21, 2017

#### ANSI Z21.5.2-2016 (R2021), Gas clothes dryers, Volume II, type 2, clothes dryers (same as ANSI Z21.5.2x (reaffirmation of ANSI Z21.5.2-2016)
- Public Review Date: May 14, 2021
- Final Action Date: Aug 5, 2021

#### ANSI Z21.50-2019, Vented decorative gas appliances, same as CSA 2.22 (revision of ANSI Z21.50-2016)
- PINS Date: Dec 30, 2016
- Public Review Date: Jan 25, 2019
- Final Action Date: Apr 10, 2019

- PINS Date: Jan 5, 2018
- Public Review Date: Jan 25, 2019
- Final Action Date: Mar 14, 2019

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

- Public Review Date: Nov 27, 2020
- Final Action Date: Jan 26, 2021
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CSA (CSA America Standards Inc.)

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  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

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

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

- 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

  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
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**CSA (CSA America Standards Inc.)**

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

  - Public Review Date: Mar 5, 2021 | Final Action Date: Apr 22, 2021 | **Approved**

- **ANSI Z21.96-2019**, Portable water heaters for outdoor use, same as CSA 11.6 (revision of ANSI Z21.96-2014)
  - PINS Date: Jun 30, 2017 | Public Review Date: Feb 22, 2019 | Final Action Date: Oct 11, 2019 | **Approved**

- **ANSI Z21.96a-2021**, Portable Water Heaters for Outdoor Use, same as CSA 11.6a (addenda to ANSI Z21.96-2019)
  - PINS Date: Jul 9, 2021 | Public Review Date: Oct 22, 2021 | Final Action Date: Jan 4, 2022 | **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**

  - Public Review Date: Mar 26, 2021 | Final Action Date: May 13, 2021 | **Approved**

  - Public Review Date: Apr 11, 2014 | Final Action Date: Jun 9, 2014 | **Approved**

  - PINS Date: Aug 9, 2019 | Public Review Date: Sep 4, 2020 | Final Action Date: Oct 22, 2020 | **Approved**

- **ANSI Z83.4-2016 (R2022)**, Non-Recirculating Direct Gas-Fired Heating And Forced Ventilation Appliances For Commercial And Industrial Application, same as CSA 3.7-2016 (reaffirmation of ANSI Z83.4-2016)
  - Public Review Date: Jan 14, 2022 | Final Action Date: Mar 3, 2022 | **Approved**
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CSA (CSA America Standards Inc.)

- ANSI Z83.7-2017, Gas-Fired Construction Heaters, same as CSA 2.14 (revision of ANSI Z83.7-2011 (R2016))
  PINS Date: Sep 9, 2016 | Public Review Date: Jan 20, 2017 | Final Action Date: Nov 28, 2017 | Approved

- ANSI Z83.8-2015 (R2021), Gas unit heaters, gas packaged heaters, gas utility heaters, and gas-fired duct furnaces, same as BSR Z83.8 (reaffirmation of ANSI Z83.8-2015)
  PINS Date: May 18, 2018 | Public Review Date: Oct 1, 2021 | Final Action Date: Nov 30, 2021 | Approved

  Public Review Date: Feb 26, 2021 | Final Action Date: Apr 29, 2021 | Approved

- ANSI/CHMC 2-2019, Test methods for evaluating material compatibility in compressed hydrogen applications - Polymers. (new standard)
  PINS Date: Apr 7, 2017 | Public Review Date: Nov 23, 2018 | Final Action Date: Jul 29, 2019 | Approved

- ANSI/CSA 13.1-2021, Combined heat and power appliances (new standard)
  PINS Date: Feb 15, 2019 | Public Review Date: Sep 17, 2021 | Final Action Date: Dec 10, 2021 | Approved

  PINS Date: Nov 15, 2013 | Public Review Date: Dec 28, 2018 | Final Action Date: Mar 12, 2019 | Approved

- ANSI/CSA B149.6-2019, Code for digester gas, landfill gas, and biogas generation and utilization (revision and redesignation of ANSI B149.6-2015)
  PINS Date: Aug 17, 2018 | Public Review Date: Aug 9, 2019 | Final Action Date: Oct 15, 2019 | Approved

- ANSI/CSA C22.2 No. 184.2-2019, Solid-state controls for lighting systems (SSCLS) (new standard)
  PINS Date: Mar 22, 2019 | Public Review Date: Jul 19, 2019 | Final Action Date: Oct 22, 2019 | Approved

  PINS Date: Mar 31, 2017 | Public Review Date: Jul 19, 2019 | Final Action Date: Sep 24, 2019 | Approved

- ANSI/CSA C22.2 No. 19085-6-2021, Woodworking machines — Safety — Part 6: Single spindle vertical moulding machines (toupies) (national adoption with modifications of ISO 19085-6)
  PINS Date: Nov 8, 2019 | Public Review Date: Nov 6, 2020 | Final Action Date: Jan 25, 2021 | Approved

- ANSI/CSA C22.2 No. 19085-8-2021, Woodworking machines — Safety — Part 8: Belt sanding and calibrating machines for straight workpieces (national adoption with modifications of ISO 19085-8)
  PINS Date: Nov 8, 2019 | Public Review Date: Nov 6, 2020 | Final Action Date: Jan 25, 2021 | Approved

- ANSI/CSA C22.2 No. 273-2019, Cablebus (new standard)
  PINS Date: Jul 24, 2015 | Public Review Date: May 31, 2019 | Final Action Date: May 12, 2021 | Approved

- ANSI/CSA C22.2 No. 298-2021, High Voltage Couplers (new standard)
  PINS Date: Mar 1, 2019 | Public Review Date: Apr 9, 2021 | Final Action Date: Jul 26, 2021 | Approved

- ANSI/CSA C22.2 No. 336-2018, Particular requirements for rechargeable battery-operated commercial robotic floor treatment machines with traction drives (new standard)
  PINS Date: Nov 11, 2016 | Public Review Date: Sep 15, 2017 | Final Action Date: Dec 4, 2017 | Approved

  PINS Date: Jan 4, 2019 | Public Review Date: Mar 1, 2019 | Final Action Date: May 23, 2019 | Approved

- ANSI/CSA C450-2018, Photovoltaic (PV) module testing protocol for quality assurance programs (new standard)
  PINS Date: May 8, 2015 | Public Review Date: Apr 20, 2018 | Final Action Date: Oct 18, 2018 | Approved

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**CSA (CSA America Standards Inc.)**

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  Public Review Date: Jun 11, 2021 | Final Action Date: Aug 12, 2021 | Approved

- ANSI/CSA FC 5-2021, Hydrogen generators using fuel processing technologies - Part 1: Safety (national adoption with modifications of ISO 16110-1)  
  PINS Date: Nov 6, 2009 | Public Review Date: Jan 27, 2017 | Final Action Date: Jan 6, 2021 | Approved

- ANSI/CSA FC 6-2018, Fuel cell technologies Part 2: Fuel cell modules (national adoption with modifications of IEC 62282-2-100)  
  PINS Date: Oct 6, 2017 | Public Review Date: Aug 31, 2018 | Final Action Date: Nov 20, 2018 | Approved

- ANSI/CSA HGV 2-2021, Compressed hydrogen gas vehicle fuel containers (revision of ANSI/CSA HGV 2-2014 (R2019))  
  PINS Date: Aug 30, 2019 | Public Review Date: Oct 23, 2020 | Final Action Date: Jan 8, 2021 | Approved

  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 4.2-2022, Hoses for dispensing compressed gaseous hydrogen (revision of ANSI/CSA HGV 4.2-2013 (R2019))  
  PINS Date: Dec 4, 2020 | Public Review Date: Nov 26, 2021 | Final Action Date: Feb 11, 2022 | Approved

- ANSI/CSA HGV 4.3-2022, Test methods for hydrogen fueling parameter evaluation (revision of ANSI/CSA HGV 4.3 -2019)  
  PINS Date: Dec 4, 2020 | Public Review Date: Apr 23, 2021 | Final Action Date: Jan 6, 2022 | Approved

- ANSI/CSA HGV 4.4-2013 (R2018), Standard for breakaway devices for compressed hydrogen dispensing hoses and systems (reaffirmation of ANSI/CSA HGV 4.4-2013)  
  Public Review Date: Mar 2, 2018 | Final Action Date: Apr 25, 2018 | Approved

  PINS Date: Jun 26, 2020 | Public Review Date: Feb 26, 2021 | Final Action Date: Apr 29, 2021 | Approved

- ANSI/CSA HGV 4.6-2013 (R2018), Manually operated valves for use in gaseous hydrogen vehicle fueling stations (reaffirmation of ANSI/CSA HGV 4.6-2013)  
  Public Review Date: Mar 2, 2018 | Final Action Date: Apr 25, 2018 | Approved

- ANSI/CSA HGV 4.8-2012 (R2018), Hydrogen gas vehicle fueling station compressor guidelines (reaffirmation of ANSI/CSA HGV 4.8-2012)  
  Public Review Date: May 18, 2018 | Final Action Date: Sep 20, 2018 | Approved

- ANSI/CSA HGV 4.9-2020, Hydrogen Fueling Stations (new standard)  
  PINS Date: Nov 23, 2018 | Public Review Date: Oct 4, 2019 | Final Action Date: Jan 27, 2020 | Approved
Approved American National Standards

CSA (CSA America Standards Inc.)

- 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

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

- ANSI/CSA LC 4/CSA 6.32-2022, Press-Connect Metallic Fittings For Use In Fuel Gas Distribution Systems (revision of ANSI/CSA LC 4-2012 (R2021), CSA 6.32-2012 (R2021) and LC4a-2013 (R2021), CSA 6.32a-2013 (R2021))
  PINS Date: Aug 6, 2021 | Public Review Date: Dec 10, 2021 | Final Action Date: Jan 27, 2022 | 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

  PINS Date: Oct 1, 2021 | Public Review Date: Apr 8, 2022 | Final Action Date: Aug 25, 2022 | Approved

  PINS Date: Oct 1, 2021 | Public Review Date: Apr 8, 2022 | Final Action Date: Aug 25, 2022 | Approved

  PINS Date: Oct 1, 2021 | Public Review Date: Apr 8, 2022 | Final Action Date: Aug 25, 2022 | Approved

  PINS Date: Oct 1, 2021 | Public Review Date: Apr 8, 2022 | Final Action Date: Aug 25, 2022 | Approved

  PINS Date: Apr 29, 2022 | Public Review Date: Jun 3, 2022 | Final Action Date: Aug 25, 2022 | Approved

  PINS Date: Apr 29, 2022 | Public Review Date: Jun 3, 2022 | Final Action Date: Aug 25, 2022 | Approved

  PINS Date: Apr 29, 2022 | Public Review Date: Jun 3, 2022 | Final Action Date: Aug 25, 2022 | Approved

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  PINS Date: Apr 29, 2022 | Public Review Date: Jun 3, 2022 | Final Action Date: Aug 25, 2022 | Approved
CSA (CSA America Standards Inc.)

  PINS Date: Apr 29, 2022 | Public Review Date: Jun 3, 2022 | Final Action Date: Aug 25, 2022 | Approved

  PINS Date: Oct 1, 2021 | Public Review Date: Jun 17, 2022 | Final Action Date: Aug 25, 2022 | Approved

- ANSI/CSA LNG 3.20-2020, LNG Fuel System Components-Part 20 flexible fuel or vent lines (new standard)
  PINS Date: Apr 5, 2019 | Public Review Date: Aug 30, 2019 | Final Action Date: Jan 9, 2020 | Approved

- ANSI/CSA LNG 3.3-2022, Road vehicles - Liquefied natural gas (LNG) fuel system components - Part 3: Check valve (revision of ANSI/CSA LNG 3.3-2018)
  PINS Date: Oct 1, 2021 | Public Review Date: Apr 8, 2022 | Final Action Date: Aug 25, 2022 | Approved

  PINS Date: Oct 1, 2021 | Public Review Date: Apr 8, 2022 | Final Action Date: Aug 25, 2022 | Approved

- ANSI/CSA LNG 3.5-2022, Road vehicles - Liquefied natural gas (LNG) fuel system components - Part 5: Tank pressure gauge (revision of ANSI/CSA LNG 3.5-2018)
  PINS Date: Oct 1, 2021 | Public Review Date: Apr 8, 2022 | Final Action Date: Aug 25, 2022 | Approved

- ANSI/CSA LNG 3.7-2022, Road Vehicles - Liquefied natural gas (LNG) fuel system components - Part 7: Pressure relief valve (revision of ANSI/CSA LNG 3.7-2018)
  PINS Date: Oct 1, 2021 | Public Review Date: Apr 8, 2022 | Final Action Date: Aug 25, 2022 | Approved

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  PINS Date: Oct 1, 2021 | Public Review Date: Apr 8, 2022 | Final Action Date: Aug 25, 2022 | Approved

- ANSI/CSA LNG 4.2-2020/CSA LNG 4.2-2020, Hoses for Liquefied natural gas (LNG) dispensing systems for natural gas vehicles (NGV) (new standard)
  PINS Date: Apr 5, 2019 | Public Review Date: Sep 6, 2019 | Final Action Date: Mar 24, 2020 | Approved

- ANSI/CSA LNG 4.4-2020, Breakaway Devices for Liquefied Natural Gas (LNG) Dispensing (new standard)
  PINS Date: Jan 4, 2013 | Public Review Date: Nov 29, 2019 | Final Action Date: Mar 10, 2020 | Approved

  PINS Date: Nov 9, 2018 | Public Review Date: Jan 31, 2020 | Final Action Date: Mar 17, 2020 | Approved

  Public Review Date: Dec 3, 2021 | Final Action Date: Jan 27, 2022 | Approved

  Public Review Date: Nov 23, 2018 | Final Action Date: Jan 18, 2019 | Approved
Approved American National Standards

CSA (CSA America Standards Inc.)

- ANSI/CSA NGV 4.1/CSA 12.5-2018 (R2022), Natural gas vehicle (NGV) dispensing systems (reaffirmation of ANSI/CSA NGV 4.1/CSA 12.5-2018)
  Public Review Date: May 6, 2022 | Final Action Date: Jul 11, 2022 | Approved

- ANSI/CSA NGV 4.2-2022, Hose and hose assemblies for natural gas dispensing systems (revision of ANSI/CSA NGV 4.2-2014 (R2019))
  PINS Date: Feb 5, 2021 | Public Review Date: Mar 18, 2022 | Final Action Date: Jul 11, 2022 | Approved

- ANSI/CSA NGV 4.3-2022, Temperature compensation for compressed natural gas vehicle fueling (new standard)
  PINS Date: Mar 4, 2022 | Public Review Date: Apr 15, 2022 | Final Action Date: Aug 25, 2022 | 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

  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 T200-2022, Evaluation of software development and cybersecurity programs (new standard)
  PINS Date: Nov 9, 2018 | Public Review Date: Aug 6, 2021 | Final Action Date: Mar 10, 2022 | Approved

- ANSI/CSA Z21.10.3-2019, Gas Water Heaters, Volume III, Storage Water Heaters with Input Ratings Above 75,000 Btu per Hour, Circulating or Instantaneous, same as CSA 4.3 (revision and redesignation of ANSI Z21.10.3-2017)
  PINS Date: Dec 29, 2017 | Public Review Date: May 3, 2019 | Final Action Date: Sep 23, 2019 | Approved

  PINS Date: Jan 26, 2018 | Public Review Date: Apr 20, 2018 | Final Action Date: Jun 7, 2019 | Approved
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The data in this document is reported as of Monday, August 29, 2022

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<th>Standard Reference</th>
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<td>ANSI/CSA/ISO Z23550-2022, ANSI/CSA/ISO Z23551-4-2022</td>
<td>Safety and control devices for gas and/or oil burners and appliances — General requirements (national adoption with modifications of ISO 23550)</td>
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<td>ANSI/FC 1 CSA C22.2 No. 62282-3-100-2021</td>
<td>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))</td>
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<td>ANSI/PRD 1-2020</td>
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CTA (Consumer Technology Association)

1919 South Eads Street, Arlington, VA 22202 | w: www.cta.tech

PINS Date: Jun 4, 2021 | Public Review Date: Mar 25, 2022 | Final Action Date: May 17, 2022 | Approved

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

**ANSI/CTA 2010-B-2014 (R2020)**, Standard Method of Measurement for Powered Subwoofers  (reaffirmation of ANSI/CTA 2010-B-2014)
PINS Date: Dec 20, 2019 | Public Review Date: Feb 21, 2020 | Final Action Date: Apr 27, 2020 | Approved

PINS Date: May 20, 2016 | Public Review Date: Dec 28, 2018 | Final Action Date: Mar 22, 2019 | Approved

PINS Date: Jul 1, 2011 | Public Review Date: Nov 25, 2016 | Final Action Date: Jan 30, 2017 | Approved

PINS Date: May 20, 2016 | Public Review Date: Aug 19, 2016 | Final Action Date: Oct 18, 2016 | Approved

PINS Date: May 25, 2018 | Public Review Date: Jul 13, 2018 | Final Action Date: Jan 15, 2019 | Approved

**ANSI/CTA 2020-2007 (S2019)**, Other VBI Waveforms  (stabilized maintenance of ANSI/CTA 2020-2007 (R2014))
PINS Date: Jun 14, 2019 | Public Review Date: Sep 6, 2019 | Final Action Date: Dec 5, 2019 | Approved

**ANSI/CTA 2028-B-2014 (R2019)**, Color Codes for Outdoor TV Receiving Antennas  (reaffirmation of ANSI/CTA 2028-B-2014)
PINS Date: Jun 14, 2019 | Public Review Date: Sep 6, 2019 | Final Action Date: Nov 26, 2019 | Approved

**ANSI/CTA 2028-C-2022**, Color Codes for Outdoor TV Receiving Antennas  (revision and redesignation of ANSI/CTA 2028-B-R-2019)
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**ANSI/CTA 2032-B-2014 (R2019)**, Indoor TV Receiving Antenna Performance Standard  (reaffirmation of ANSI/CTA 2032-B-2014)
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### CTA (Consumer Technology Association)

- ANSI/CTA 2038-2012 (S2022), Command-Driven Analog IR-Synchronized Active Eyewear (stabilized maintenance of ANSI/CTA 2038-2012 (R2017))
  - Public Review Date: Apr 15, 2022 | Final Action Date: Jun 6, 2022 | **Approved**

- ANSI/CTA 2040-2011, SD Card Common Interface Standard (new standard)
  - PINS Date: May 14, 2010 | Public Review Date: Mar 18, 2011 | Final Action Date: Jun 1, 2011 | **Approved**

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

  - PINS Date: Feb 18, 2011 | Public Review Date: Nov 24, 2017 | Final Action Date: Feb 14, 2018 | **Approved**

  - PINS Date: Apr 6, 2018 | Public Review Date: Sep 27, 2019 | Final Action Date: Nov 26, 2019 | **Approved**

  - PINS Date: Nov 29, 2019 | Public Review Date: Oct 30, 2020 | Final Action Date: Feb 11, 2021 | **Approved**

- ANSI/CTA 2045.1-2014 (R2021), Modular Communications Interface for Firmware Transfer Message Set (reaffirmation of ANSI/CTA 2045.1-2014)
  - PINS Date: Nov 1, 2019 | Public Review Date: Mar 13, 2020 | Final Action Date: Jul 23, 2021 | **Approved**

- ANSI/CTA 2045.2 Amd 1-2018, MCI for Generic Display Message Set (addenda to ANSI/CTA 2045.2-2014)
  - PINS Date: Nov 27, 2015 | Public Review Date: Feb 2, 2018 | Final Action Date: Jul 10, 2018 | **Approved**

- ANSI/CTA 2045.2-A-2022, Modular Communications Interface for Generic Display Message Set (revision of ANSI/CTA 2045.2-2014)
  - PINS Date: Mar 8, 2019 | Public Review Date: Apr 8, 2022 | Final Action Date: Jun 2, 2022 | **Approved**

- ANSI/CTA 2045.3-2014 (R2021), Modular Communications Interface for Thermostat Message Set (reaffirmation of ANSI/CTA 2045.3-2014)
  - PINS Date: Nov 1, 2019 | Public Review Date: Mar 13, 2020 | Final Action Date: Jul 23, 2021 | **Approved**

- ANSI/CTA 2047-2014, CE Energy Usage Information (CE-EUI) (new standard)
  - PINS Date: May 24, 2013 | Public Review Date: May 30, 2014 | Final Action Date: Aug 1, 2014 | **Approved**

  - PINS Date: Nov 1, 2019 | Public Review Date: Sep 11, 2020 | Final Action Date: Oct 27, 2020 | **Approved**

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

  - PINS Date: Mar 18, 2022 | Public Review Date: May 13, 2022 | Final Action Date: Jun 29, 2022 | **Approved**

- ANSI/CTA 2052.1-2016, Glossary of Terms for Sleep Wearable Devices (new standard)
  - PINS Date: Sep 19, 2014 | Public Review Date: Jul 8, 2016 | Final Action Date: Sep 26, 2016 | **Approved**

- ANSI/CTA 2056-2016, Physical Activity Monitoring for Fitness Wearables Step Counting (new standard)
  - PINS Date: Oct 30, 2015 | Public Review Date: Jul 29, 2016 | Final Action Date: Oct 11, 2016 | **Approved**
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<th>ANSI/CTA Standard</th>
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<td>ANSI/CTA 2075-2020</td>
<td>Loudness Standard for Over the Top Television (OTT) and Online Video Distribution (OVD) for Mobile and Fixed Devices (new standard)</td>
<td>Feb 16, 2018</td>
<td>Dec 6, 2019</td>
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CTA (Consumer Technology Association)

  PINS Date: Feb 21, 2020 | Public Review Date: Apr 10, 2020 | Final Action Date: Jun 18, 2020 | Approved

- ANSI/CTA 709.4-2013 (R2019), Fiber-Optic Channel Specification (reaffirmation of ANSI/CTA 709.4-2013)
  PINS Date: Nov 16, 2018 | Public Review Date: Apr 12, 2019 | Final Action Date: Sep 9, 2019 | Approved

  PINS Date: Feb 21, 2020 | Public Review Date: Apr 10, 2020 | Final Action Date: Jun 18, 2020 | Approved

  PINS Date: Feb 21, 2020 | Public Review Date: Sep 10, 2021 | Final Action Date: Nov 1, 2021 | Approved

  PINS Date: Dec 29, 2017 | Public Review Date: Feb 16, 2018 | Final Action Date: Oct 25, 2018 | Approved

  PINS Date: May 4, 2018 | Public Review Date: Nov 15, 2019 | Final Action Date: Feb 6, 2020 | Approved

  PINS Date: May 4, 2018 | Public Review Date: Nov 15, 2019 | Final Action Date: Feb 6, 2020 | Approved

- ANSI/CTA 762-B-2008 (S2020), DTV Remodulator Specification (stabilized maintenance of ANSI/CTA 762-B-2008 (R2015))
  Public Review Date: Jun 5, 2020 | Final Action Date: Jul 31, 2020 | Approved

  PINS Date: Feb 1, 2019 | Public Review Date: Mar 15, 2019 | Final Action Date: Jul 9, 2019 | Approved

- ANSI/CTA 774-D-2020, TV Receiving Antenna Performance Presentation and Measurement (revision and redesignation of ANSI/CTA 774-C-2014)
  PINS Date: Nov 1, 2019 | Public Review Date: Jun 5, 2020 | Final Action Date: Jul 28, 2020 | Approved

- ANSI/CTA 774-E-2022, TV Receiving Antenna Performance Presentation and Measurement (revision and redesignation of ANSI/CTA 774-D)
  PINS Date: Jun 11, 2021 | Public Review Date: Mar 4, 2022 | Final Action Date: Apr 25, 2022 | Approved

- ANSI/CTA 803-B-2012 (R2017), Mobile Electronics Wiring Designations for Audio, and Vehicle Security/Convenience (reaffirmation of ANSI/CTA 803-B-2012)
  PINS Date: Mar 10, 2017 | Public Review Date: Apr 28, 2017 | Final Action Date: Jun 19, 2017 | Approved

  PINS Date: May 25, 2018 | Public Review Date: Aug 3, 2018 | Final Action Date: Sep 9, 2019 | Approved

  PINS Date: May 18, 2018 | Public Review Date: Jul 13, 2018 | Final Action Date: Oct 4, 2018 | Approved
CTA (Consumer Technology Association)

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- ANSI/CTA 861-H-2021, A DTV Profile for Uncompressed High Speed Digital Interfaces (new standard)
PINS Date: Jun 14, 2019 | Public Review Date: Dec 11, 2020 | Final Action Date: Jan 28, 2021 | Approved

- ANSI/CTA 909-B-2010 (R2021), Antenna Control Interface (reaffirmation of ANSI/CTA 909-B-2010 (R2016))
Public Review Date: Feb 19, 2021 | Final Action Date: Apr 9, 2021 | Approved

PINS Date: Apr 28, 2017 | Public Review Date: Jun 30, 2017 | Final Action Date: Jan 17, 2018 | Approved

- ANSI/CTA CEDIA 897-2010, F-Connector Color Coding for Home Television Systems (reaffirmation of ANSI/CTA CEDIA 897-2010)
PINS Date: May 25, 2018 | Public Review Date: Oct 19, 2018 | Final Action Date: Dec 17, 2018 | Approved

PINS Date: May 18, 2018 | Public Review Date: Oct 19, 2018 | Final Action Date: Feb 1, 2019 | Approved

PINS Date: May 18, 2018 | Public Review Date: Oct 19, 2018 | Final Action Date: Dec 17, 2018 | Approved

- ANSI/CTA/NSF 2052.2-2017, Methodology of Measurements for Features in Sleep Tracking Consumer Technology Devices and Applications (new standard)
PINS Date: Oct 21, 2016 | Public Review Date: Jul 21, 2017 | Final Action Date: Sep 15, 2017 | Approved

- ANSI/CTA/NSF 2052.3-2019, Performance Criteria and Testing Protocols for Features in Sleep Tracking Consumer Technology Devices and Applications (new standard)
PINS Date: Jul 21, 2017 | Public Review Date: Jan 18, 2019 | Final Action Date: Apr 18, 2019 | Approved

DASMA (Door and Access Systems Manufacturers Association)

1300 Sumner Avenue, Cleveland, OH  44115

PINS Date: Oct 31, 2008 | Public Review Date: Jun 5, 2009 | Final Action Date: May 19, 2011 | Approved

- ANSI/DASMA 105-2017, Test Method for Thermal Transmittance and Air Infiltration of Garage Doors and Rolling Doors (revision of ANSI/DASMA 105-2014)
PINS Date: Feb 24, 2017 | Public Review Date: Mar 24, 2017 | Final Action Date: Sep 7, 2017 | Approved

PINS Date: Mar 14, 2008 | Public Review Date: Oct 31, 2008 | Final Action Date: Jun 15, 2012 | Approved

PINS Date: Mar 24, 2017 | Public Review Date: Apr 28, 2017 | Final Action Date: Dec 4, 2017 | Approved

PINS Date: Mar 24, 2017 | Public Review Date: Apr 28, 2017 | Final Action Date: Nov 21, 2017 | Approved
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<td>ANSI/DSI DCNST1.1-2020, DSI DCNST1.1:20XX Verification and Displaying of Dental Patient Chart Notes (DCN) (new standard)</td>
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<td>ANSI/DSI VRST1.1-2020, BRS/DSI VRST1.1:2020 Usage of Therapeutic Virtual Reality for Anxiety Reduction In Healthcare (new standard)</td>
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EASA (Electrical Apparatus Service Association)
1331 Baur Road, St. Louis, MO  63132

- ANSI/EASA AR100-2020, Recommended Practice for the Repair of Rotating Electrical Apparatus  (revision of ANSI/EASA AR100-2015)
  PINS Date: Aug 19, 2016 | Public Review Date: Apr 10, 2020 | Final Action Date: Jun 30, 2020 | Approved

ECIA (Electronic Components Industry Association)
13873 Park Center Road, Suite 315, Herndon, VA  20171 | w: www.ecianow.org

- ANSI/EIA 166-A-2019, Miniature Waveguide Flanges, Unpressurized Contact Type (CMR 90 to CMR 284)  (new standard)
  PINS Date: Feb 9, 2018 | Public Review Date: Jul 20, 2018 | Final Action Date: Feb 5, 2019 | Approved

- ANSI/EIA 198-2-E-2014, Ceramic Dielectric Capacitors Classes I, II, III and IV - Part II: Test Methods  (new standard)
  PINS Date: Nov 16, 2012 | Public Review Date: Dec 13, 2013 | Final Action Date: Apr 4, 2014 | Approved

- ANSI/EIA 198-3-10-2022, Multilayer (Monolithic), Unencapsulated, Ceramic Dielectric, Surface-Mount Low Induction Chip Capacitors and Multi-Terminal Low Induction Capacitors  (revision of ANSI/EIA 198-3-10-2015)
  PINS Date: Nov 5, 2021 | Public Review Date: Apr 15, 2022 | Final Action Date: Aug 18, 2022 | Approved

- ANSI/EIA 198-3-6-F-2019, Ceramic Dielectric Capacitors Classes I, II, III, and IV, Part III: Section 6: Axial-Leaded Capacitors, Conformally Coated and Molded Types  (new standard)
  PINS Date: Nov 24, 2017 | Public Review Date: Feb 23, 2018 | Final Action Date: Feb 5, 2019 | Approved

- ANSI/EIA 198-3-9-F-2019, High Voltage Ceramic Capacitors, Conformally Coated and Multilayer Surface Mount  (new standard)
  PINS Date: Jul 13, 2012 | Public Review Date: Mar 8, 2019 | Final Action Date: Jul 31, 2019 | Approved

- ANSI/EIA 200-B-2018, Circular Waveguides and Flanges  (new standard)
  PINS Date: Nov 18, 2016 | Public Review Date: Aug 4, 2017 | Final Action Date: Apr 24, 2018 | Approved

- ANSI/EIA 225-A-2018, Rigid coaxial transmission lines 50 OHMs  (new standard)
  PINS Date: Dec 2, 2016 | Public Review Date: May 5, 2017 | Final Action Date: Apr 5, 2018 | Approved

  PINS Date: Feb 10, 2017 | Public Review Date: Apr 21, 2017 | Final Action Date: Nov 1, 2017 | Approved

- ANSI/EIA 261-C-2018, Rectangular Waveguides (WR2 to WR2300)  (new standard)
  PINS Date: Mar 10, 2017 | Public Review Date: Aug 4, 2017 | Final Action Date: Jan 24, 2018 | Approved

- ANSI/EIA 271-B-2019, Waveguide flanges - pressurizable contact types for waveguide sizes WR90 to WR2300  (new standard)
  PINS Date: Feb 9, 2018 | Public Review Date: Jul 20, 2018 | Final Action Date: Feb 5, 2019 | Approved

- ANSI/EIA 285-A-2019, Waveguide Flanges - Dual Contact Pressurizable and Miniature Type for Waveguide Sizes WR90 to WR975  (new standard)
  PINS Date: Feb 9, 2018 | Public Review Date: Jul 20, 2018 | Final Action Date: Feb 5, 2019 | Approved

  Public Review Date: Nov 30, 2018 | Final Action Date: Aug 23, 2019 | Approved

  PINS Date: Feb 9, 2018 | Public Review Date: Jul 20, 2018 | Final Action Date: Feb 5, 2019 | Approved
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  Public Review Date: Sep 10, 2021 | Final Action Date: Nov 4, 2021 | Approved

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  PINS Date: Aug 17, 2018 | Public Review Date: May 10, 2019 | Final Action Date: Jul 31, 2019 | Approved

  PINS Date: Nov 30, 2018 | Public Review Date: May 10, 2019 | Final Action Date: Jul 31, 2019 | Approved

- ANSI/EIA 364-121-2020, Coupling Thread Strength Test Procedure for Electrical Connector Accessories (new standard)
  PINS Date: Nov 15, 2019 | Public Review Date: Jul 24, 2020 | Final Action Date: Oct 23, 2020 | Approved

  PINS Date: Dec 3, 2021 | Public Review Date: Apr 8, 2022 | Final Action Date: Jun 6, 2022 | Approved

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

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

- ANSI/EIA 364-15D-2022, Contact Strength Test Procedure for Electrical Connectors (revision and redesignation of ANSI/EIA 364-15C-2016)
  PINS Date: Dec 3, 2021 | Public Review Date: Apr 8, 2022 | Final Action Date: Aug 18, 2022 | Approved

  Public Review Date: Oct 25, 2019 | Final Action Date: Jan 17, 2020 | Approved

- ANSI/EIA 364-17C-2011 (R2017), Temperature Life with or without Electrical Load Test Procedure for Electrical Connectors and Sockets (reaffirmation of ANSI/EIA 364-17C-2011)
  Public Review Date: Nov 18, 2016 | Final Action Date: Feb 2, 2017 | Approved

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- ANSI/EIA 364-19A-2008 (R2020), Torsional Insert Retention Test Procedure for Electrical Connectors  
  (reaffirmation of ANSI/EIA 364-19A-2008 (R2015))
  
  - Public Review Date: Oct 25, 2019 | Final Action Date: Jan 17, 2020 | Approved

- ANSI/EIA 364-20F-2019, Dielectric Withstanding Voltage Test Procedure for Electrical Connectors, Sockets and Coaxial Contacts  
  (revision and redesignation of ANSI/EIA 364-20E-2015)
  
  - PINS Date: Mar 30, 2018 | Public Review Date: Jul 6, 2018 | Final Action Date: Feb 5, 2019 | Approved

- ANSI/EIA 364-21F-2020, Insulation Resistance Test Procedure for Electrical Connectors, Sockets and Coaxial Contacts  
  (revision and redesignation of ANSI/EIA 364-21E-2014)
  
  - PINS Date: Nov 8, 2019 | Public Review Date: May 1, 2020 | Final Action Date: Jul 28, 2020 | Approved

- ANSI/EIA 364-22B-2000 (R2019), Simulated Life Test Procedure for Electrical Connectors  
  (reaffirmation of ANSI/EIA 364-22B-2000 (R2012))
  
  - Public Review Date: Aug 31, 2018 | Final Action Date: Feb 5, 2019 | Approved

- ANSI/EIA 364-23D-2022, Low Level Contact Resistance Test Procedure for Electrical Connectors and Sockets  
  (revision and redesignation of ANSI/EIA 364-23C-2006 (R2017))
  
  - PINS Date: Aug 9, 2019 | Public Review Date: Dec 3, 2021 | Final Action Date: Jun 6, 2022 | Approved

  (reaffirmation of ANSI/EIA 364-24B-2009 (R2015))
  
  - Public Review Date: Oct 25, 2019 | Final Action Date: Jan 17, 2020 | Approved

- ANSI/EIA 364-25E-2017, Probe Damage Test Procedure for Electrical Connectors  
  (revision and redesignation of ANSI/EIA 364-25D-2010)
  
  - PINS Date: Sep 2, 2016 | Public Review Date: Nov 11, 2016 | Final Action Date: Mar 28, 2017 | Approved

- ANSI/EIA 364-26-C-2014 (R2019), Salt Spray Test Procedure for Electrical Connectors, Contacts and Sockets  
  (reaffirmation of ANSI/EIA 364-26-C-2014)
  
  - Public Review Date: Aug 2, 2019 | Final Action Date: Dec 20, 2019 | Approved

- ANSI/EIA 364-27C-2011 (R2017), Mechanical Shock (Specified Pulse) Test Procedure for Electrical Connectors and Sockets  
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  - Public Review Date: Nov 18, 2016 | Final Action Date: Feb 2, 2017 | Approved

- ANSI/EIA 364-28F-2011 (R2017), Vibration Test Procedure for Electrical Connectors and Sockets  
  (reaffirmation of ANSI/EIA 364-28F-2011)
  
  - 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 364-29C-2006 (R2013))
  
  - PINS Date: Aug 31, 2018 | Public Review Date: Feb 1, 2019 | Final Action Date: May 21, 2019 | Approved

  (reaffirmation of ANSI/EIA 364-30A-2009 (R2015))
  
  - Public Review Date: Oct 25, 2019 | Final Action Date: Jan 17, 2020 | Approved

- ANSI/EIA 364-31F-2019, Humidity Test Procedure for Electrical Connectors and Sockets  
  (revision and redesignation of ANSI/EIA 364-31E-2017)
  
  - PINS Date: Dec 1, 2017 | Public Review Date: Aug 10, 2018 | Final Action Date: Jan 29, 2019 | Approved

  (reaffirmation of ANSI/EIA 364-32G-2014)
  
  - Public Review Date: Aug 2, 2019 | Final Action Date: Dec 20, 2019 | Approved
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- ANSI/EIA 364-33A-2009 (R2020), Inductance Measurement Test Procedure for Electrical Connectors (100 nH-100 mH)  
  (reaffirmation of ANSI/EIA 364-33A-2009 (R2015))  
  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

- ANSI/EIA 364-35C-2012 (R2017), Insert Retention Test Procedure for Electrical Connectors  
  (reaffirmation of ANSI/EIA 364-35C-2012)  
  Public Review Date: Jun 23, 2017 | Final Action Date: Aug 21, 2017 | Approved

- ANSI/EIA 364-36B-2006 (R2019), Determination of Gas-Tight Characteristics Test Procedure for Electrical Connectors,  
  and/or Contact Systems  
  (reaffirmation of ANSI/EIA 364-36B-2006 (R2013))  
  Public Review Date: Aug 31, 2018 | Final Action Date: Feb 5, 2019 | Approved

- ANSI/EIA 364-37C-2009 (R2020), Contact Engagement and Separation Test Procedure for Electrical Connectors  
  (reaffirmation of ANSI/EIA 364-37C-2009 (R2015))  
  Public Review Date: Oct 25, 2019 | Final Action Date: Jan 17, 2020 | Approved

- ANSI/EIA 364-38E-2020, Cable Pull-Out Test Procedure for Electrical Connectors  
  (revision and redesignation of ANSI/EIA 364-38D-2014)  
  PINS Date: Nov 8, 2019 | Public Review Date: May 1, 2020 | Final Action Date: Jul 14, 2020 | Approved

  (reaffirmation of ANSI/EIA 364-39B-1999 (R2013))  
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- ANSI/EIA 364-40B-2009 (R2020), Crush Test Procedure for Electrical Connectors  
  (reaffirmation of ANSI/EIA 364-40B-2009 (R2015))  
  Public Review Date: Oct 25, 2019 | Final Action Date: Jan 17, 2020 | Approved

- ANSI/EIA 364-41E-2010 (R2021), Cable Flexing Test Procedure for Electrical Connectors  
  (reaffirmation of ANSI/EIA 364-41E-2010 (R2016))  
  Public Review Date: May 21, 2021 | Final Action Date: Jul 23, 2021 | Approved

- ANSI/EIA 364-42C-2012 (R2018), Impact Test Procedure for Electrical Connectors  
  (reaffirmation of ANSI/EIA 364-42C-2012)  
  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

- ANSI/EIA 364-44A-2009 (R2020), Corona Test Procedure for Electrical Connectors  
  (reaffirmation of ANSI/EIA 364-44A-2009 (R2015))  
  Public Review Date: Oct 25, 2019 | Final Action Date: Jan 17, 2020 | Approved

- ANSI/EIA 364-45C-2012 (R2019), Firewall Flame Test Procedure for Electrical Connectors  
  (reaffirmation of ANSI/EIA 364-45C-2012)  
  Public Review Date: Jan 25, 2019 | Final Action Date: Apr 18, 2019 | Approved

- ANSI/EIA 364-46C-2012 (R2019), Microsecond Discontinuity Test Procedures for Electrical Connectors, Contacts and  
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- ANSI/EIA 364-71C-2008 (R2020), Solder Wicking (Wave Solder Technique) for Electrical Connectors and Sockets (reaffirmation of ANSI/EIA 364-71C-2008 (R2014))
  Public Review Date: Oct 25, 2019 | Final Action Date: Jan 17, 2020 | Approved

  PINS Date: Apr 10, 2020 | Public Review Date: Aug 7, 2020 | Final Action Date: Sep 28, 2020 | Approved

- ANSI/EIA 364-78C-2018, Cavity Leakage Bonding Integrity Test Procedure for Electrical Connectors (revision and redesignation of ANSI/EIA 364-78B-2010)
  PINS Date: Sep 16, 2016 | Public Review Date: Aug 11, 2017 | Final Action Date: Jan 24, 2018 | Approved

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- ANSI/EIA 62506-2017, Methods for product accelerated testing (identical national adoption of IEC 62506:2013 Ed.1.0)
  PINS Date: Aug 19, 2016 | Public Review Date: Jan 27, 2017 | Final Action Date: May 11, 2017 | Approved

- ANSI/EIA 703-B-2020, General Resistor Stress Test Qualification Specification (new standard)
  PINS Date: Jun 7, 2019 | Public Review Date: Mar 27, 2020 | Final Action Date: Aug 20, 2020 | Approved

  PINS Date: Feb 19, 2010 | Public Review Date: Mar 19, 2010 | Final Action Date: Jun 24, 2010 | Approved

- ANSI/EIA 747-C-2020, Adhesive backed punched plastic carrier taping of singulated bare die and other surface mount components for automatic handling of devices generally less than 1.0 mm thick (revision and redesignation of ANSI/EIA-747-B-2014)
  PINS Date: Feb 8, 2019 | Public Review Date: Oct 18, 2019 | Final Action Date: May 7, 2020 | Approved

  PINS Date: Nov 9, 2012 | Public Review Date: Nov 21, 2014 | Final Action Date: Mar 3, 2015 | Approved

- ANSI/EIA 797-2014 (R2020), Aluminum-Electrolytic Capacitor Application Guideline (reaffirmation of ANSI/EIA 797-2014)
  Public Review Date: May 22, 2020 | Final Action Date: Nov 9, 2020 | Approved

- ANSI/EIA 886-B-2020, Resistors, Thick Film Array on Ceramic (revision and redesignation of ANSI/EIA 886-A-2014)
  PINS Date: Sep 13, 2019 | Public Review Date: Mar 27, 2020 | Final Action Date: Aug 7, 2020 | Approved

  PINS Date: Nov 15, 2013 | Public Review Date: Apr 11, 2014 | Final Action Date: Aug 4, 2015 | Approved

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- ANSI/EIA 948-2004 (R2017), Component Tray for Automated Handling (reaffirmation of ANSI/EIA 948-2004 (R2011))
  Public Review Date: Sep 2, 2016 | Final Action Date: Feb 3, 2017 | Approved

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### ECIA (Electronic Components Industry Association)

- **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)

  PINS Date: Oct 26, 2012 | Public Review Date: Apr 14, 2017 | Final Action Date: Jun 26, 2017 | Approved

### EMAP (Emergency Management Accreditation Program)

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### EOS/ESD (ESD Association, Inc.)

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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)
  PINS Date: Dec 23, 2011 | Public Review Date: Dec 28, 2012 | Final Action Date: Apr 24, 2013 | Approved

  Public Review Date: Nov 8, 2019 | Final Action Date: Jan 14, 2020 | Approved

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  PINS Date: Dec 3, 2010 | Public Review Date: Aug 9, 2013 | Final Action Date: Sep 30, 2013 | Approved

- ANSI/ESD SP 5.3.2-2004 (R2013), ESD Association Standard Practice for Electrostatic Discharge Sensitivity Testing - Socketed Device Model (SDM) - Component Level  (reaffirmation of ANSI/ESD SP 5.3.2-2004 (R2008))
  Public Review Date: Jul 12, 2013 | Final Action Date: Sep 30, 2013 | Approved

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- ANSI/ESD SP3.3-2012 (R2017), ESD Association Standard Practice for the Protection of Electrostatic Discharge Susceptible Items - Periodic Verification of Air Ionizers (reaffirmation of ANSI/ESD SP3.3-2012)
  Public Review Date: Oct 28, 2016 | Final Action Date: Jan 3, 2017 | Approved

- ANSI/ESD SP3.4-2012 (R2017), ESD Association Standard Practice for the Protection of Electrostatic Discharge Susceptible Items - Periodic Verification of Air Ionizer Performance Using a Small Test Fixture (reaffirmation of ANSI/ESD SP3.4-2012)
  Public Review Date: Oct 28, 2016 | Final Action Date: Jan 5, 2017 | Approved

- ANSI/ESD SP3.5-2020, ESD Association Standard Practice for the Protection of Electrostatic Discharge Susceptible Items - Test Methods for Air Assist Bar Ionizers, Soft X-Ray (Photon) Ionizers, Room Ionization Alternatives, and Non-Airflow Alpha Ionizers (new standard)
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- ANSI/ESD SP5.3.3-2018, ESD Association Standard Practice for Electrostatic Discharge Sensitivity Testing – Charged Device Model (CDM) Testing – Component Level – Low-Impedance Contact CDM as an Alternative CDM Characterization Method (new standard)
  PINS Date: Sep 22, 2017 | Public Review Date: Nov 23, 2018 | Final Action Date: Feb 22, 2019 | Approved

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EOS/ESD (ESD Association, Inc.)

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ESTA (Entertainment Services and Technology Association)

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- ANSI E1.15-2006 (R2021), Entertainment Technology—Recommended Practices and Guidelines for the Assembly and Use of Theatrical Boom & Base Assemblies (reaffirmation of ANSI E1.15-2006 (R2016))
  Public Review Date: Oct 30, 2020 | Final Action Date: Mar 8, 2021 | Approved

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- ANSI E1.2-2021, Entertainment Technology - Design, Manufacture and Use of Aluminum Trusses and Towers (revision of ANSI E1.2-2012)
  PINS Date: Aug 11, 2017 | Public Review Date: Oct 30, 2020 | Final Action Date: May 6, 2021 | Approved

- 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: May 7, 2021 | Public Review Date: Oct 29, 2021 | Final Action Date: Apr 25, 2022 | Approved

- ANSI E1.24-2012 (R2021), Entertainment Technology—Dimensional Requirements for Stage Pin Connectors (reaffirmation of ANSI E1.24-2012 (R2017))
  Public Review Date: Aug 20, 2021 | Final Action Date: Oct 28, 2021 | Approved

- ANSI E1.25-2012 (R2017), Recommended Basic Conditions For Measuring The Photometric Output Of Stage And Studio Luminaires By Measuring Illumination Levels Produced On A Planar Surface (reaffirmation of ANSI E1.25-2012)
  Public Review Date: Aug 11, 2017 | Final Action Date: Nov 2, 2017 | Approved
ESTA (Entertainment Services and Technology Association)

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- 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))
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  Public Review Date: Aug 10, 2018 | Final Action Date: Nov 6, 2018 | Approved

- ANSI E1.3-2001 (R2021), Entertainment Technology - Lighting Control Systems - 0 to 10V Analog Control Specification (reaffirmation of ANSI E1.3-2001 (R2016))
  Public Review Date: Mar 5, 2021 | Final Action Date: May 21, 2021 | Approved

- ANSI E1.30-1-2010 (R2021), EPI 23. Device Identification Subdevice (reaffirmation of ANSI E1.30-1-2010 (R2016))
  Public Review Date: Mar 5, 2021 | Final Action Date: May 21, 2021 | Approved

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- 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

- ANSI E1.30-3-2009 (R2019), EPI 25, Time Reference in ACN Systems Using SNTP and NTP (reaffirmation of ANSI E1.30-3-2009 (R2014))
  Public Review Date: May 17, 2019 | Final Action Date: Sep 9, 2019 | Approved

- ANSI E1.30-4-2010 (R2021), EPI 26. Device Description Language (DDL) Extensions for DMX512 and E1.31 Devices (reaffirmation of ANSI E1.30-4-2010 (R2015))
  Public Review Date: Mar 5, 2021 | Final Action Date: May 27, 2021 | Approved

- ANSI E1.31-2018, Entertainment Technology - Lightweight streaming protocol for transport of DMX512 using ACN (revision of ANSI E1.31-2016)
  PINS Date: Feb 17, 2017 | Public Review Date: Aug 18, 2017 | Final Action Date: Nov 7, 2018 | Approved

- ANSI E1.32-2012 (R2022), Guide for the Inspection of Entertainment Industry Incandescent Lamp Luminaires (reaffirmation of ANSI E1.32-2012 (R2017))
  Public Review Date: Apr 8, 2022 | Final Action Date: Aug 11, 2022 | Approved

- ANSI E1.33-2019, Entertainment Technology -- (RDMnet) -- Message Transport and Device Management of ANSI E1.20 (RDM) over IP Networks (new standard)
  PINS Date: Aug 11, 2006 | Public Review Date: Sep 21, 2018 | Final Action Date: Aug 27, 2019 | Approved
ESTA (Entertainment Services and Technology Association)

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- ANSI E1.35-2013 (R2018), Lens Quality Measurements for Pattern Projecting Luminaires Intended for Entertainment Use (reaffirmation of ANSI E1.35-2013)
  Public Review Date: Dec 1, 2017 | Final Action Date: Feb 27, 2018 | Approved

- ANSI E1.36-2007 (R2017), Model Procedure for Permitting the Use of Tungsten-Halogen Incandescent Lamps and Stage and Studio Luminaires in Vendor Exhibit Booths in Convention and Trade Show Exhibition Halls (reaffirmation of ANSI E1.36-2007 (R2012))
  Public Review Date: Aug 11, 2017 | Final Action Date: Nov 2, 2017 | Approved

- ANSI E1.36-2007 (R2022), Model Procedure for Permitting the Use of Tungsten-Halogen Incandescent Lamps and Stage and Studio Luminaires in Vendor Exhibit Booths in Convention and Trade Show Exhibition Halls (reaffirmation of ANSI E1.36-2007 (R2012))
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- ANSI E1.37-7-2019, Additional Message Sets for ANSI E1.20 (RDM) - Gateway & Splitter Messages (new standard)
  PINS Date: Feb 14, 2014 | Public Review Date: Sep 21, 2018 | Final Action Date: May 23, 2019 | Approved

  PINS Date: May 3, 2019 | Public Review Date: Oct 30, 2020 | Final Action Date: May 6, 2021 | Approved

- ANSI E1.4-1-2016, Entertainment Technology - Manual Counterweight Rigging Systems (revision and partition of ANSI E1.4-2014)
  PINS Date: Feb 14, 2014 | Public Review Date: Feb 26, 2016 | Final Action Date: Oct 11, 2016 | Approved

- ANSI E1.4-2-2021, Entertainment Technology – Statically Suspended Rigging Systems (new standard)
  PINS Date: Feb 14, 2014 | Public Review Date: Aug 7, 2020 | Final Action Date: May 6, 2021 | Approved

- ANSI E1.4-3-2020, Entertainment Technology—Manually Operated Hoist Rigging Systems (revision and partition of ANSI E1.4-2014)
  PINS Date: Feb 14, 2014 | Public Review Date: Nov 15, 2019 | Final Action Date: Jun 2, 2020 | Approved

- ANSI E1.40-2016 (R2021), Recommendations for the Planning of Theatrical Dust Effects (reaffirmation of ANSI E1.40-2016)
  Public Review Date: May 7, 2021 | Final Action Date: Sep 9, 2021 | Approved

- ANSI E1.41-2016, Recommendations for the Measurement of Entertainment Luminaires Utilizing Solid State Light Sources (revision of ANSI E1.41-2012)
  PINS Date: Apr 1, 2016 | Public Review Date: May 13, 2016 | Final Action Date: Sep 16, 2016 | Approved

  PINS Date: Jun 16, 2017 | Public Review Date: Feb 23, 2018 | Final Action Date: Nov 6, 2018 | Approved
ESTA (Entertainment Services and Technology Association)

- ANSI E1.43-2016, Entertainment Technology - Performer Flying Systems (new standard)
  PINS Date: Apr 1, 2011 | Public Review Date: Aug 14, 2015 | Final Action Date: Feb 12, 2016 | Approved

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- ANSI E1.46-2018, Standard for the Prevention of Falls from Theatrical Stages and Raised Performance Platforms (revision of ANSI E1.46-2016)
  PINS Date: Mar 31, 2017 | Public Review Date: Jan 26, 2018 | Final Action Date: Jul 13, 2018 | Approved

- ANSI E1.48-2014 (R2019), A Recommended Luminous Efficiency Function for Stage and Studio Luminaire Photometry (reaffirmation of ANSI E1.48-2014)
  Public Review Date: Nov 2, 2018 | Final Action Date: Feb 1, 2019 | Approved

- ANSI E1.49-2014 (R2019), Theatrical Makeup Mirror Lighting (reaffirmation of ANSI E1.55-2016)
  Public Review Date: Sep 10, 2021 | Final Action Date: Nov 1, 2021 | Approved

  PINS Date: Jan 31, 2014 | Public Review Date: Nov 25, 2016 | Final Action Date: Aug 14, 2017 | Approved

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- ANSI E1.54-2021, ESTA Standard for Color Communication in Entertainment Lighting (revision of ANSI E1.54-2015)
  PINS Date: Aug 11, 2017 | Public Review Date: May 29, 2020 | Final Action Date: Jan 7, 2021 | Approved

- ANSI E1.55-2016 (R2021), Standard for Theatrical Makeup Mirror Lighting (reaffirmation of ANSI E1.55-2016)
  Public Review Date: Sep 10, 2021 | Final Action Date: Nov 1, 2021 | Approved

- ANSI E1.56-2018, Entertainment Technology - Rigging Support Points (new standard)
  PINS Date: Aug 15, 2014 | Public Review Date: Feb 23, 2018 | Final Action Date: Nov 6, 2018 | Approved

- ANSI E1.57-2016 (R2021), Recommendations to prevent falls on or off movable parade floats, movable stages, and similar moving platforms (reaffirmation of ANSI E1.57-2016)
  Public Review Date: Feb 19, 2021 | Final Action Date: May 5, 2021 | Approved

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- ANSI E1.59-2021, Entertainment Technology - Object Transform Protocol (OTP) (new standard)
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- ANSI E1.6-1-2021, Entertainment Technology - Powered Hoist Systems (revision of ANSI E1.6-1-2019)
  PINS Date: Feb 14, 2020 | Public Review Date: May 15, 2020 | Final Action Date: Jan 26, 2021 | Approved

  PINS Date: Nov 8, 2019 | Public Review Date: May 24, 2013 | Final Action Date: Oct 3, 2013 | Approved

- ANSI E1.6-4-2013, Portable Control of Fixed-Speed Electric Chain Hoists in the Entertainment Industry (new standard)
  PINS Date: Aug 29, 1997 | Public Review Date: May 24, 2013 | Final Action Date: Oct 3, 2013 | Approved
## ESTA (Entertainment Services and Technology Association)

- **ANSI E1.60-2018**, Guidelines for the Use of Raked Stages in Live Performance Environments  
  (new standard)  
  PINS Date: Dec 30, 2016 | Public Review Date: Feb 23, 2018 | Final Action Date: Sep 20, 2018 | Approved

  (new standard)  
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  (new standard)  
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- **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

- **ANSI E1.9-2007 (R2017)**, Entertainment Technology - Reporting Photometric Performance Data for Luminaires Used in Entertainment Lighting  
  (reaffirmation of ANSI E1.9-2007 (R2012))  
  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

- **ANSI/E1.1-2018**, Entertainment Technology Construction and Use of Wire Rope Ladders  
  (revision of ANSI E1.1-2012)  
  PINS Date: Aug 11, 2017 | Public Review Date: Mar 16, 2018 | Final Action Date: Sep 27, 2018 | Approved

  (revision of ANSI E1.21-2013)  
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  (revision of ANSI E1.23-2010 (R2015))  
  PINS Date: Aug 9, 2019 | Public Review Date: Nov 8, 2019 | Final Action Date: Apr 1, 2020 | Approved

- **ANSI/E1.47-2020**, Recommended Guidelines for Entertainment Rigging System Inspections  
  (revision of ANSI E1.47-2017)  
  PINS Date: Dec 8, 2017 | Public Review Date: Nov 15, 2019 | Final Action Date: Jun 18, 2020 | Approved

- **ANSI/E1.53-2019**, Overhead mounting of luminaires, lighting accessories, and other portable devices: specification and practice  
  (revision of ANSI E1.53-2016)  
  PINS Date: Aug 24, 2018 | Public Review Date: Oct 5, 2018 | Final Action Date: Jun 28, 2019 | Approved

- **ANSI/E1.6-3-2019**, Selection and Use of Serially Manufactured Chain Hoists in the Entertainment Industry  
  (revision of ANSI/E1.6-3-2012)  
  PINS Date: Apr 7, 2017 | Public Review Date: Feb 22, 2019 | Final Action Date: Oct 14, 2019 | Approved

  (new standard)  
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### ESTA (Entertainment Services and Technology Association)

- **ANSI/ESTA E1.69-2022, Reporting the Dimming Performance of Entertainment Luminaires Using LED Sources**  
  (new standard)  
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### FCI (Fluid Controls Institute)

- **ANSI/FCI 13-1-2022, Standard for Determining Condensate Loads to Size Steam Traps**  
  (revision of ANSI/FCI 13-1-2016)  
  PINS Date: Apr 9, 2021 | Public Review Date: Jun 4, 2021 | Final Action Date: Jun 6, 2022 | Approved

- **ANSI/FCI 15-1-2020, Standard for Production Testing of Pressure Regulators**  
  (revision of ANSI/FCI 15-1-2015)  
  PINS Date: Jun 5, 2020 | Public Review Date: Jul 24, 2020 | Final Action Date: Oct 16, 2020 | Approved

- **ANSI/FCI 18-1-2021, Standard for Sizing and Selection of Type 1 Secondary Pressure Drainers**  
  (new standard)  
  PINS Date: Aug 24, 2018 | Public Review Date: Nov 13, 2020 | Final Action Date: Jan 14, 2021 | Approved

- **ANSI/FCI 18-2-2020, Standard for Installation of Type 1 Secondary Pressure Drainers**  
  (new standard)  
  PINS Date: Aug 24, 2018 | Public Review Date: Nov 22, 2019 | Final Action Date: Sep 23, 2020 | Approved

- **ANSI/FCI 19-1-2021, Standard for Sizing & Selection of Type 2 Secondary Pressure Drainers**  
  (new standard)  
  PINS Date: Nov 29, 2019 | Public Review Date: Oct 23, 2020 | Final Action Date: Feb 25, 2021 | Approved

- **ANSI/FCI 19-2-2022, Standard for Installation of Type 2 Secondary Pressure Drainers**  
  (new standard)  
  PINS Date: May 29, 2020 | Public Review Date: Jun 18, 2021 | Final Action Date: May 31, 2022 | Approved

- **ANSI/FCI 4-1-2014 (R2019), Pressure Regulator Hydrostatic Shell Test Method**  
  (reaffirmation of ANSI/FCI 4-1-2014)  
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- **ANSI/FCI 69-1-2022, Pressure Rating Standard for Steam Traps**  
  (revision of ANSI/FCI 69-1-2017)  
  PINS Date: Jan 21, 2022 | Public Review Date: Mar 11, 2022 | Final Action Date: May 13, 2022 | Approved

- **ANSI/FCI 70-2-2021, Control Valve Seat Leakage Testing**  
  (revision of ANSI/FCI 70-2-2013)  
  PINS Date: Mar 3, 2017 | Public Review Date: Sep 4, 2020 | Final Action Date: Jan 26, 2021 | Approved

- **ANSI/FCI 70-3-2021, Standard for Regulator Seat Leakage Testing**  
  (revision of ANSI/FCI 70-3-2016)  
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- **ANSI/FCI 79-1-2021, Standard for Proof of Pressure Ratings for Pressure Regulators and Temperature Regulators**  
  (revision of ANSI/FCI 79-1-2016)  
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- **ANSI/FCI 85-1-2019, Standard for Production Testing of Steam Traps**  
  (revision of ANSI/FCI 85-1-2011)  
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- **ANSI/FCI 87-1-2017, Classification and Operating Principles of Steam Traps**  
  (revision of ANSI/FCI 87-1-2009)  
  PINS Date: Aug 1, 2014 | Public Review Date: May 20, 2016 | Final Action Date: May 11, 2017 | Approved

- **ANSI/FCI 91-1-2020, Standard for Qualification of Control Valve Stem Seals**  
  (new standard)  
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- **ANSI/FCI 97-1-2019, Standard for Production Testing of Secondary Pressure Drainers**  
  (revision of ANSI/FCI 97-1-2013)  
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FCI (Fluid Controls Institute)

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- 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)
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  PINS Date: Mar 8, 2002 | Public Review Date: Oct 31, 2014 | Final Action Date: Feb 1, 2016 | Approved

- ANSI/FM 2510-2020, Flood Abatement Equipment (revision of ANSI/FM 2510-2014)
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- ANSI/FM 4476-2014 (R2022), Flexible Photovoltaic Modules (reaffirmation of ANSI/FM 4476-2014)
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  PINS Date: Mar 12, 2021 | Public Review Date: Aug 6, 2021 | Final Action Date: Sep 27, 2021 | Approved

- ANSI/FM 4478-2014, Rigid Photovoltaic Modules (new standard)
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  PINS Date: Dec 4, 2009 | Public Review Date: Dec 16, 2016 | Final Action Date: Apr 25, 2017 | Approved

  Public Review Date: Aug 17, 2018 | Final Action Date: Nov 29, 2021 | Approved

- ANSI/FM 4920-2014, Testing Filters Used in Clean Room Facilities (new standard)
  PINS Date: Nov 27, 2009 | Public Review Date: Sep 12, 2014 | Final Action Date: Dec 15, 2014 | Approved
## Approved American National Standards

### FM (FM Approvals)

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### GBI (Green Building Initiative)

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### GISC (ASC Z97) (Glazing Industry Secretariat Committee)

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### GTESS (Georgia Institute of Technology Energy & Sustainability Services)

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### HFES (Human Factors & Ergonomics Society)

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HI (Hydraulic Institute)

6 Campus Drive, Suite 104, Parsippany, NJ 07054-4406 | www.pumps.org

- ANSI/HI 1.1-1.2-2014, Rotodynamic Centrifugal Pumps for Nomenclature & Definitions (revision of ANSI/HI 1.1-1.2-2008)
  PINS Date: Sep 28, 2012 | Public Review Date: Jan 31, 2014 | Final Action Date: Oct 30, 2014 | Approved

- ANSI/HI 1.3-2013, Rotodynamic Centrifugal Pumps for Design and Application (revision of ANSI/HI 1.3-2009)
  PINS Date: Apr 22, 2011 | Public Review Date: Jun 7, 2013 | Final Action Date: Dec 19, 2013 | Approved

- ANSI/HI 1.4-2014, Rotodynamic Centrifugal Pumps for Manuals Describing Installation, Operation, and Maintenance (revision of ANSI/HI 1.4-2010)
  PINS Date: Sep 28, 2012 | Public Review Date: May 3, 2013 | Final Action Date: Jun 2, 2014 | Approved

- ANSI/HI 10.1-10.5-2021, Air-operated Pumps for Nomenclature, Definitions, Application, and Operation (revision of ANSI/HI 10.1-10.5-2010 (R2016))
  PINS Date: Jan 3, 2020 | Public Review Date: May 14, 2021 | Final Action Date: Jul 19, 2021 | Approved

- ANSI/HI 10.6-2021, Air-Operated Pump Tests (revision of ANSI/HI 10.6-2010 (R2016))
  PINS Date: Jan 3, 2020 | Public Review Date: Jul 30, 2021 | Final Action Date: Nov 4, 2021 | Approved

- ANSI/HI 11.6-2022, Rotodynamic Submersible Pumps for Mechanical and Electrical Acceptance Tests (revision of ANSI/HI 11.6-2017)
  PINS Date: Jan 22, 2021 | Public Review Date: May 13, 2022 | Final Action Date: Aug 10, 2022 | Approved

- ANSI/HI 12.1-12.6-2021, Rotodynamic Centrifugal Slurry Pumps for Nomenclature, Definitions, Applications, and Operation (revision of ANSI/HI 12.1-12.6-2016)
  PINS Date: Dec 21, 2018 | Public Review Date: Sep 3, 2021 | Final Action Date: Nov 23, 2021 | Approved

  PINS Date: Apr 11, 2014 | Public Review Date: Jun 15, 2018 | Final Action Date: Apr 9, 2019 | Approved

- ANSI/HI 14.3-2019, Rotodynamic Pumps for Design and Application (new standard)
  PINS Date: Feb 15, 2013 | Public Review Date: Oct 12, 2018 | Final Action Date: Feb 1, 2019 | Approved

- ANSI/HI 14.4-2018, Rotodynamic Pumps for Installation, Operation and Maintenance (new standard)
  PINS Date: Apr 11, 2014 | Public Review Date: Jun 8, 2018 | Final Action Date: Nov 29, 2018 | Approved

- ANSI/HI 14.6-2022, Rotodynamic Pumps for Hydraulic Performance Acceptance Tests (revision of ANSI/HI 14.6-2016)
  PINS Date: Mar 8, 2019 | Public Review Date: Dec 31, 2021 | Final Action Date: Feb 7, 2022 | Approved

  PINS Date: Sep 28, 2012 | Public Review Date: Apr 19, 2013 | Final Action Date: Apr 8, 2014 | Approved

- 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
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

  PINS Date: Mar 20, 2020 | Public Review Date: Oct 2, 2020 | Final Action Date: Dec 1, 2020 | Approved

  PINS Date: Mar 13, 2015 | Public Review Date: Sep 20, 2019 | Final Action Date: Dec 6, 2019 | Approved

  Public Review Date: Oct 1, 2021 | Final Action Date: Dec 9, 2021 | Approved

  Public Review Date: Oct 1, 2021 | Final Action Date: Dec 10, 2021 | Approved

  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

  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

  Public Review Date: May 31, 2019 | Final Action Date: Aug 1, 2019 | Approved
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<td>Jan 26, 2018</td>
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<td>ANSI/HL7 NMM R1-2020</td>
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<td>Apr 6, 2018</td>
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HL7 (Health Level Seven)

  Public Review Date: Mar 22, 2019 | Final Action Date: Jun 7, 2019 | Approved

- ANSI/HL7 PSIM, R1-2021, HL7 Privacy and Security Logical Data Model, Release 1 (new standard)
  PINS Date: Aug 21, 2020 | Public Review Date: Apr 23, 2021 | Final Action Date: Jun 10, 2021 | Approved

  Public Review Date: Mar 22, 2019 | Final Action Date: Jul 19, 2019 | Approved

  Public Review Date: Oct 11, 2019 | Final Action Date: Dec 30, 2019 | Approved

  PINS Date: Apr 7, 2017 | Public Review Date: Mar 9, 2018 | Final Action Date: May 8, 2018 | Approved

  PINS Date: May 3, 2019 | Public Review Date: Jun 12, 2020 | Final Action Date: Sep 18, 2020 | Approved

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  PINS Date: Apr 15, 2016 | Public Review Date: Oct 18, 2019 | Final Action Date: Dec 9, 2019 | Approved

- ANSI/HL7 V26 IG CCHD, R1-2020, HL7 Version 2.6 Implementation Guide: Newborn Screening for Critical Congenital Heart Defects (CCHD), Release 1 (new standard)
  PINS Date: Jul 6, 2018 | Public Review Date: May 22, 2020 | Final Action Date: Aug 3, 2020 | Approved

  PINS Date: Jul 6, 2018 | Public Review Date: Jun 19, 2020 | Final Action Date: Oct 1, 2020 | Approved

  PINS Date: Mar 31, 2017 | Public Review Date: Jun 30, 2017 | Final Action Date: Aug 24, 2017 | Approved

  Public Review Date: Mar 6, 2020 | Final Action Date: Apr 27, 2020 | Approved

  PINS Date: Jul 29, 2016 | Public Review Date: Dec 29, 2017 | Final Action Date: Feb 27, 2018 | Approved

  PINS Date: Apr 20, 2012 | Public Review Date: Aug 17, 2018 | Final Action Date: Nov 1, 2018 | Approved
HL7 (Health Level Seven)

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

  Public Review Date: Nov 5, 2021 | Final Action Date: Jan 18, 2022 | Approved

  Public Review Date: Jun 10, 2022 | Final Action Date: Aug 2, 2022 | Approved

  PINS Date: Jan 19, 2018 | Public Review Date: Jul 13, 2018 | Final Action Date: Sep 6, 2018 | Approved

  PINS Date: Dec 28, 2007 | Public Review Date: Sep 11, 2009 | Final Action Date: Mar 19, 2012 | Approved

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  PINS Date: Feb 19, 2016 | Public Review Date: Feb 24, 2017 | Final Action Date: Apr 17, 2017 | Approved

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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: Oct 1, 2021 | Final Action Date: Dec 9, 2021 | Approved

  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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  Public Review Date: Mar 22, 2019 | Final Action Date: Jun 7, 2019 | Approved

  (reaffirmation of ANSI/HL7 V3 SECPRON, R1-2014)
  Public Review Date: Mar 22, 2019 | Final Action Date: May 23, 2019 | Approved

  PINS Date: Jan 26, 2018 | Public Review Date: Jun 21, 2019 | Final Action Date: Aug 22, 2019 | Approved

  PINS Date: Jan 26, 2018 | Public Review Date: Jun 21, 2019 | Final Action Date: Aug 23, 2019 | Approved

  PINS Date: Apr 7, 2017 | Public Review Date: Dec 29, 2017 | Final Action Date: Feb 27, 2018 | Approved

  (reaffirmation of ANSI/HL7 V3 TR AB, R1-2013)
  Public Review Date: Apr 6, 2018 | Final Action Date: May 31, 2018 | Approved

  (reaffirmation of ANSI/HL7 V3 TR ebXML, R1-2008)
  Public Review Date: Apr 12, 2013 | Final Action Date: Jun 4, 2013 | Approved

  (reaffirmation of ANSI/HL7 V3 TR ebXMLebM2, R1-2012)
  Public Review Date: Jun 30, 2017 | Final Action Date: Aug 18, 2017 | Approved

  (reaffirmation of ANSI/HL7 V3 TRMLLP, R2-2006 (R2011))
  Public Review Date: Jun 21, 2019 | Final Action Date: Aug 30, 2019 | Approved

- ANSI/HL7 V3 XMLITSDT, R1-2004 (R2013), Health Level Seven Version 3 Standard: XML Implementation Technology Specification - Data Types, Release 1
  (reaffirmation of ANSI/HL7 V3 XMLITSDT, R1-2004)
  Public Review Date: Apr 12, 2013 | Final Action Date: Jun 4, 2013 | Approved

  (reaffirmation of ANSI/HL7 V3 XMLITSSTR, R2-2013)
  Public Review Date: Feb 23, 2018 | Final Action Date: Apr 20, 2018 | Approved

  (reaffirmation of ANSI/HL7 V3IG INFOB, R4-2014)
  Public Review Date: Jun 28, 2019 | Final Action Date: Aug 15, 2019 | Approved

- ANSI/HL7 V3PA PATREG, R1-2014 (R2019), HL7 Version 3 Standard: Patient Administration; Patient Registry, Release 1
  (reaffirmation of ANSI/HL7 V3PA PATREG, R1-2014)
  Public Review Date: Mar 22, 2019 | Final Action Date: Jun 7, 2019 | Approved

  (reaffirmation of ANSI/HL7 V3XMLITS STRUCT4WFCRIDT, R1-2014)
  Public Review Date: May 31, 2019 | Final Action Date: Jul 31, 2019 | Approved
**HL7 (Health Level Seven)**

  
  | Public Review Date: May 31, 2019 | Final Action Date: Jul 31, 2019 | **Approved** |

  
  | 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** |

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**Home Innovation (Home Innovation Research Labs)**

400 Prince George's Boulevard, Upper Marlboro, MD 20774 | w: www.HomeInnovation.com

  
  | PINS Date: Apr 29, 2011 | Public Review Date: Oct 9, 2020 | Final Action Date: Mar 29, 2021 | **Approved** |

  
  | PINS Date: Oct 6, 2017 | Public Review Date: Jul 19, 2019 | Final Action Date: Jan 6, 2020 | **Approved** |

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**HPS (ASC N13) (Health Physics Society)**

950 Herndon Parkway, Suite 450, Herndon, VA 20170 | w: www.hps.org

- ANSI N12.1-2015, Fissile Material Symbol (new standard)
  
  | PINS Date: May 10, 2013 | Public Review Date: Jul 11, 2014 | Final Action Date: Apr 17, 2015 | **Approved** |

  
  | PINS Date: Oct 26, 2018 | Public Review Date: Feb 12, 2021 | Final Action Date: Apr 5, 2021 | **Approved** |

  
  | Public Review Date: Dec 19, 2014 | Final Action Date: Mar 12, 2015 | **Approved** |

  
  | PINS Date: Mar 4, 2011 | Public Review Date: Jan 18, 2013 | Final Action Date: May 6, 2013 | **Approved** |

  
  | PINS Date: Jan 7, 2011 | Public Review Date: Sep 29, 2017 | Final Action Date: Sep 11, 2018 | **Approved** |

- ANSI N13.22-2013, Bioassay Program for Uranium (new standard)
  
  | PINS Date: Apr 12, 2013 | Public Review Date: Aug 9, 2013 | Final Action Date: Sep 30, 2013 | **Approved** |

- ANSI N13.25-2022, Internal Dosimetry Programs for Plutonium Exposure- Basic Requirements (new standard)
  
  | PINS Date: Feb 24, 2012 | Public Review Date: Apr 1, 2022 | Final Action Date: Jun 23, 2022 | **Approved**
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IAPMO (ASSE Chapter) (ASSE International Chapter of IAPMO)

- ANSI/ASSE 1004-2016, Backflow Prevention Requirements for Commercial Dishwashing Machines (revision of ANSI/ASSE 1004-2009)
  PINS Date: Dec 26, 2014 | Public Review Date: Oct 14, 2016 | Final Action Date: Jan 6, 2017 | Approved

- ANSI/ASSE 1008-2020, Performance Requirements for Plumbing Aspects of Residential Food Waste Disposer Units (revision of ANSI/ASSE 1008-2019)
  PINS Date: May 15, 2020 | Public Review Date: Aug 7, 2020 | Final Action Date: Sep 23, 2020 | Approved

- ANSI/ASSE 1010-2021, Performance Requirements for Water Hammer Arresters (new standard)
  PINS Date: May 18, 2018 | Public Review Date: Sep 24, 2021 | Final Action Date: Nov 17, 2021 | Approved

- ANSI/ASSE 1011-2017, Performance Requirements for Hose Connection Backflow Preventers (new standard)
  PINS Date: Apr 22, 2011 | Public Review Date: Oct 14, 2016 | Final Action Date: Nov 16, 2017 | Approved

- ANSI/ASSE 1012-2021, Performance Requirements for Backflow Preventers with an Intermediate Atmospheric Vent (new standard)
  PINS Date: May 18, 2018 | Public Review Date: Sep 24, 2021 | Final Action Date: Nov 17, 2021 | Approved

- ANSI/ASSE 1013-2021, Performance Requirements for Reduced Pressure Principle Backflow Prevention Assemblies (revision of ANSI/ASSE 1013-2011)
  PINS Date: Sep 2, 2016 | Public Review Date: Apr 16, 2021 | Final Action Date: Jun 1, 2021 | Approved

- ANSI/ASSE 1014-2020, Performance Requirements for Backflow Prevention Devices for Hand-Held Showers (new standard)
  PINS Date: Apr 10, 2015 | Public Review Date: Jul 26, 2019 | Final Action Date: Feb 7, 2020 | Approved

- ANSI/ASSE 1015-2021, Performance Requirements for Double Check Backflow Prevention Assemblies (revision of ANSI/ASSE 1015-2011)
  PINS Date: Sep 2, 2016 | Public Review Date: Apr 16, 2021 | Final Action Date: Jun 1, 2021 | Approved

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

  PINS Date: May 18, 2018 | Public Review Date: Nov 27, 2020 | Final Action Date: Jan 15, 2021 | Approved

- ANSI/ASSE 1019-2011 (R2016), Performance Requirements for Wall Hydrant with Backflow Protection and Freeze Resistance (reaffirmation of ANSI/ASSE 1019-2011)
  PINS Date: Apr 22, 2016 | Public Review Date: Oct 14, 2016 | Final Action Date: Jan 6, 2017 | Approved

- ANSI/ASSE 1020-2020, Performance Requirements for Pressure Vacuum Breaker Assembly (new standard)
  PINS Date: Apr 10, 2015 | Public Review Date: Jul 26, 2019 | Final Action Date: Feb 7, 2020 | Approved

- ANSI/ASSE 1022-2020, Performance Requirements for Backflow Preventer for Beverage Dispensing Equipment (revision of ANSI/ASSE 1022-2017)
  PINS Date: Aug 7, 2020 | Public Review Date: Oct 2, 2020 | Final Action Date: Dec 11, 2020 | Approved

- ANSI/ASSE 1023-2020, Performance Requirements for Electrically Heated or Cooled Water Dispensers (revision of ANSI/ASSE 1023-2019)
  PINS Date: May 15, 2020 | Public Review Date: Jul 10, 2020 | Final Action Date: Sep 1, 2020 | Approved

- ANSI/ASSE 1024-2017 (R2021), Performance Requirements for Dual Check Backflow Preventers (reaffirmation of ANSI/ASSE 1024-2017)
  Public Review Date: Apr 30, 2021 | Final Action Date: Jun 15, 2021 | Approved
IAPMO (ASSE Chapter) (ASSE International Chapter of IAPMO)

- ANSI/ASSE 1030-2021, Performance Requirements for Positive Pressure Reduction Devices for Sanitary Drainage Systems (revision of ANSI/ASSE 1030-2016)
  PINS Date: May 15, 2020 | Public Review Date: Feb 26, 2021 | Final Action Date: Apr 27, 2021 | Approved

- ANSI/ASSE 1032-2011 (R2021), Performance Requirements for Dual Check Valve Type Backflow Preventers for Carbonated Beverage Dispensers, Post Mix Type (reaffirmation of ANSI/ASSE 1032-2011)
  PINS Date: Apr 22, 2016 | Public Review Date: Nov 20, 2020 | Final Action Date: Jan 15, 2021 | Approved

- ANSI/ASSE 1035-2020, Performance Requirements for Laboratory Faucet Backflow Preventers (revision of ANSI/ASSE 1035-2008)
  PINS Date: May 18, 2018 | Public Review Date: Jun 12, 2020 | Final Action Date: Jul 31, 2020 | Approved

  PINS Date: Dec 20, 2019 | Public Review Date: May 15, 2020 | Final Action Date: Jul 16, 2020 | Approved

  PINS Date: Oct 18, 2019 | Public Review Date: Feb 28, 2020 | Final Action Date: Apr 14, 2020 | Approved

- ANSI/ASSE 1047-2021, Performance Requirements for Reduced Pressure Detector Backflow Prevention Assemblies (revision of ANSI/ASSE 1047-2011)
  PINS Date: Sep 2, 2016 | Public Review Date: Apr 16, 2021 | Final Action Date: Jun 1, 2021 | Approved

- ANSI/ASSE 1048-2021, Performance Requirements for Double Check Detector Backflow Prevention Assemblies (revision of ANSI/ASSE 1048-2011)
  PINS Date: Sep 2, 2016 | Public Review Date: Apr 16, 2021 | Final Action Date: Jun 1, 2021 | Approved

- ANSI/ASSE 1052-2016, Performance Requirements for Hose Connection Backflow Preventers (new standard)
  PINS Date: Dec 26, 2014 | Public Review Date: Apr 22, 2016 | Final Action Date: Aug 17, 2016 | Approved

- ANSI/ASSE 1053-2019, Performance Requirements for Dual Check Backflow Preventer Wall Hydrants - Freeze Resistant Types (new standard)
  PINS Date: May 18, 2018 | Public Review Date: Mar 8, 2019 | Final Action Date: Apr 26, 2019 | Approved

- ANSI/ASSE 1056-2013 (R2021), Performance requirements for Spill Resistant Vacuum Breaker (reaffirmation of ANSI/ASSE 1056-2013)
  PINS Date: Feb 7, 2020 | Public Review Date: Nov 20, 2020 | Final Action Date: Jan 15, 2021 | Approved

- ANSI/ASSE 1057-2012, Performance Requirements for Freeze Resistant Sanitary Yard Hydrants with Backflow Protection (new standard)
  PINS Date: Mar 12, 1999 | Public Review Date: Jun 29, 2012 | Final Action Date: Aug 22, 2012 | Approved

  Public Review Date: Apr 30, 2021 | Final Action Date: Sep 24, 2021 | Approved

- ANSI/ASSE 1061-2020, Performance Requirements for Push-Fit Fittings (revision of ANSI/ASSE 1061-2015)
  PINS Date: Jul 26, 2019 | Public Review Date: May 29, 2020 | Final Action Date: Jul 17, 2020 | Approved

  Public Review Date: Apr 30, 2021 | Final Action Date: Jun 15, 2021 | Approved

- ANSI/ASSE 1063-2016 (R2021), Performance Requirements for Air Valve and Vent Inflow Preventer (reaffirmation of ANSI/ASSE 1063-2016)
  PINS Date: May 29, 2020 | Public Review Date: Jul 23, 2021 | Final Action Date: Sep 9, 2021 | Approved
IAPMO (ASSE Chapter) (ASSE International Chapter of IAPMO)

- ANSI/ASSE 1064-2020, Performance Requirements for Backflow Prevention Assembly Field Test Kits (revision of ANSI/ASSE 1064-2006 (R2011))
  PINS Date: Mar 27, 2020 | Public Review Date: Oct 30, 2020 | Final Action Date: Dec 15, 2020 | Approved

- ANSI/ASSE 1069-2020, Performance Requirements for Automatic Temperature Control Mixing Valves (new standard)
  PINS Date: Apr 10, 2015 | Public Review Date: Jul 26, 2019 | Final Action Date: Feb 7, 2020 | Approved

  PINS Date: Dec 20, 2019 | Public Review Date: May 29, 2020 | Final Action Date: Jul 17, 2020 | Approved

- ANSI/ASSE 1071-2012 (R2021), Performance Requirements for Temperature Actuated Mixing Valves for Plumbed Emergency Equipment (reaffirmation of ANSI/ASSE 1071-2012)
  Public Review Date: Nov 20, 2020 | Final Action Date: Jan 15, 2021 | Approved

- ANSI/ASSE 1072-2020, Performance Requirements for Barrier Type Trap Seal Protection for Floor Drains (new standard)
  PINS Date: May 18, 2018 | Public Review Date: Jun 5, 2020 | Final Action Date: Jul 23, 2020 | Approved

- ANSI/ASSE 1079-2012 (R2021), Performance Requirements for Dielectric Pipe Unions (reaffirmation of ANSI/ASSE 1079-2012)
  Public Review Date: Nov 20, 2020 | Final Action Date: Jan 15, 2021 | Approved

  PINS Date: Oct 18, 2019 | Public Review Date: Feb 28, 2020 | Final Action Date: Apr 14, 2020 | Approved

  PINS Date: Jun 11, 2021 | Public Review Date: Sep 24, 2021 | Final Action Date: Nov 17, 2021 | Approved

- ANSI/ASSE 1084-2018, Performance Requirements for Water Heaters with Temperature Limiting Capacity (new standard)
  PINS Date: Apr 21, 2017 | Public Review Date: Nov 30, 2018 | Final Action Date: Feb 1, 2019 | Approved

  Public Review Date: Apr 30, 2021 | Final Action Date: Jun 15, 2021 | Approved

- ANSI/ASSE 1086-2020, Reverse Osmosis Water Efficiency - Drinking Water (new standard)
  PINS Date: May 20, 2016 | Public Review Date: Dec 20, 2019 | Final Action Date: Apr 30, 2020 | Approved

- ANSI/ASSE 1087-2018, Performance Requirements for Commercial and Food Service Water Treatment Equipment Utilizing Drinking Water (new standard)
  PINS Date: Jun 3, 2016 | Public Review Date: Jul 27, 2018 | Final Action Date: Oct 29, 2018 | Approved

- ANSI/ASSE 1090-2020, Performance Requirements for Drinking Water Atmospheric Water Generators (AWG) (new standard)
  PINS Date: Mar 17, 2017 | Public Review Date: May 22, 2020 | Final Action Date: Jul 16, 2020 | Approved

  PINS Date: Mar 9, 2018 | Public Review Date: May 31, 2019 | Final Action Date: Jul 19, 2019 | Approved
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IAPMO (ASSE Chapter) (ASSE International Chapter of IAPMO)

- ANSI/ASSE 1098-2021, Performance Requirements for Atmospheric Vacuum Breakers for Vacuum Toilet Assemblies and Galley Waste Disposal Units on Commercial Aircraft (new standard)  
  PINS Date: Jan 3, 2020 | Public Review Date: Jan 8, 2021 | Final Action Date: Apr 5, 2021 | Approved

- ANSI/ASSE 1099/WSC PST-2022, Pressurized Water Storage Tanks (revision of ANSI/ASSE 1099/WSC-PST-2021)  
  PINS Date: Mar 11, 2022 | Public Review Date: Jun 24, 2022 | Final Action Date: Aug 10, 2022 | Approved

  PINS Date: Dec 4, 2015 | Public Review Date: Feb 14, 2020 | Final Action Date: Apr 23, 2020 | Approved

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  PINS Date: Dec 20, 2019 | Public Review Date: Dec 25, 2020 | Final Action Date: Feb 9, 2021 | Approved

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  PINS Date: May 10, 2019 | Public Review Date: Jul 31, 2020 | Final Action Date: Sep 15, 2020 | Approved

  PINS Date: Dec 4, 2015 | Public Review Date: May 10, 2019 | Final Action Date: Jun 28, 2019 | Approved

  Public Review Date: May 8, 2020 | Final Action Date: Jun 30, 2020 | Approved

  PINS Date: Mar 4, 2016 | Public Review Date: Mar 31, 2017 | Final Action Date: May 23, 2017 | Approved

- ANSI/ASSE Series 27000-2022, Professional Qualifications Standard for Hybrid Fire Extinguishing Systems Personnel (new standard)  
  PINS Date: Feb 12, 2021 | Public Review Date: Dec 17, 2021 | Final Action Date: Feb 4, 2022 | Approved

  PINS Date: May 10, 2019 | Public Review Date: Feb 4, 2022 | Final Action Date: Mar 24, 2022 | Approved

- ANSI/ASSE Series 6000-2021, Professional Qualifications Standard for Medical Gas Systems Personnel (revision of ANSI/ASSE Series 6000-2018)  
  PINS Date: Oct 18, 2019 | Public Review Date: May 7, 2021 | Final Action Date: Jul 6, 2021 | Approved

  PINS Date: Jan 5, 2018 | Public Review Date: Apr 10, 2020 | Final Action Date: Jun 8, 2020 | Approved
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  - Public Review Date: May 8, 2020 | Final Action Date: Jun 30, 2020 | Approved

  - Public Review Date: May 8, 2020 | Final Action Date: Jun 30, 2020 | Approved

- ANSI/ASSE Standard 1049-2021, Performance Requirements for Individual and Branch Type Air Admittance Valves for Chemical Waste Systems (new standard)
  - PINS Date: Sep 11, 2020 | Public Review Date: May 28, 2021 | Final Action Date: Jul 13, 2021 | Approved

- ANSI/ASSE Standard 1050-2021, Performance Requirements for Stack Air Admittance Valves for Sanitary Drainage Systems (new standard)
  - PINS Date: Sep 11, 2020 | Public Review Date: May 28, 2021 | Final Action Date: Jul 13, 2021 | Approved

- ANSI/ASSE Standard 1051-2021, Performance Requirements for Individual and Branch Type Air Admittance Valves for Sanitary Drainage Systems (new standard)
  - PINS Date: Sep 11, 2020 | Public Review Date: May 28, 2021 | Final Action Date: Jul 13, 2021 | Approved

- ANSI/ASSE-1001-2021, Performance Requirements for Performance Requirements for Atmospheric Type Vacuum Breakers (revision of ANSI/ASSE 1001-2017)
  - PINS Date: May 15, 2020 | Public Review Date: Sep 24, 2021 | Final Action Date: Nov 17, 2021 | Approved

  - PINS Date: Dec 28, 2018 | Public Review Date: Jul 31, 2020 | Final Action Date: Sep 17, 2020 | Approved

  - Public Review Date: Feb 26, 2016 | Final Action Date: Mar 27, 2016 | Approved

IAPMO (WES) (International Association of Plumbing & Mechanical Officials)

4755 East Philadelphia Street, Ontario, CA 91761 | w: http://www.iapmo.org

- ANSI/IAPMO WESStand-2020, Water Efficiency and Sanitation Standard (new standard)
  - PINS Date: Apr 24, 2015 | Public Review Date: Jul 23, 2021 | Final Action Date: Oct 8, 2021 | Approved

IAPMO (Z) (International Association of Plumbing & Mechanical Officials)

4755 East Philadelphia Street, Ontario, CA 91761 | w: https://www.iapmostandards.org

  - Public Review Date: Feb 21, 2020 | Final Action Date: Jul 24, 2020 | Approved

  - PINS Date: Mar 5, 2021 | Public Review Date: Dec 24, 2021 | Final Action Date: Feb 14, 2022 | Approved

  - Public Review Date: Jul 23, 2021 | Final Action Date: Oct 28, 2021 | Approved

  - Public Review Date: Nov 2, 2018 | Final Action Date: Feb 1, 2019 | Approved
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## IAPMO (Z) (International Association of Plumbing & Mechanical Officials)

  - Public Review Date: Nov 2, 2018 | Final Action Date: Jan 18, 2019 | Approved

- **ANSI/IAPMO Z124.8-2013 (R2019), Prefabricated Liners for Bathtubs and Shower Receptors** (reaffirmation of ANSI/IAPMO Z124.8-2013)
  - Public Review Date: Nov 2, 2018 | Final Action Date: Jan 18, 2019 | Approved

- **ANSI/IAPMO Z1349-2021, Devices for Detection, Monitoring or Control of Plumbing Systems** (new standard)
  - PINS Date: Mar 30, 2018 | Public Review Date: Nov 13, 2020 | Final Action Date: Jan 4, 2021 | Approved

- **ANSI/IAPMO Z601-2018, Scale Reduction Devices** (new standard)
  - PINS Date: Aug 17, 2007 | Public Review Date: Dec 29, 2017 | Final Action Date: Jul 11, 2018 | Approved

## ICC (International Code Council)

- **ANSI/ASABE/ICC 802-2020, Landscape Irrigation Sprinkler and Emitter Standard** (revision of ANSI/ASABE/ICC 802-2014)
  - PINS Date: Sep 22, 2017 | Public Review Date: Sep 18, 2020 | Final Action Date: Nov 5, 2020 | Approved

  - PINS Date: Apr 1, 2011 | Public Review Date: Dec 29, 2017 | Final Action Date: Aug 17, 2018 | Approved

- **ANSI/ICC 1100-2019, Standard For Polyurethane Foam Plastic Insulation** (new standard)
  - PINS Date: Sep 16, 2016 | Public Review Date: Aug 16, 2019 | Final Action Date: Oct 10, 2019 | Approved

  - PINS Date: Feb 7, 2020 | Public Review Date: Feb 19, 2021 | Final Action Date: Jul 19, 2021 | Approved

- **ANSI/ICC 1205-2021, Standard for Off-Site Construction: Inspection and Regulatory Compliance** (new standard)
  - PINS Date: Feb 7, 2020 | Public Review Date: Feb 19, 2021 | Final Action Date: Jul 19, 2021 | Approved

  - PINS Date: Sep 15, 2017 | Public Review Date: Oct 20, 2017 | Final Action Date: Dec 14, 2017 | Approved

  - PINS Date: Sep 25, 2020 | Public Review Date: Apr 23, 2021 | Final Action Date: Sep 14, 2021 | Approved

  - PINS Date: Sep 22, 2017 | Public Review Date: Jun 26, 2020 | Final Action Date: Nov 2, 2020 | Approved

  - PINS Date: Sep 22, 2017 | Public Review Date: Sep 18, 2020 | Final Action Date: Dec 1, 2020 | Approved

  - PINS Date: Mar 8, 2019 | Public Review Date: Oct 23, 2020 | Final Action Date: Dec 3, 2020 | Approved

  - PINS Date: Mar 8, 2019 | Public Review Date: Sep 18, 2020 | Final Action Date: Dec 3, 2020 | Approved

  - Public Review Date: Sep 20, 2019 | Final Action Date: Dec 3, 2020 | Approved
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### ICC (ASC A117) (International Code Council)
4051 Flossmoor Road, Country Club Hills, IL  60478 | w: www.iccsafe.org

  - PINS Date: Jul 29, 2011 | Public Review Date: Aug 26, 2016 | Final Action Date: Mar 28, 2017 | Approved

### ICE (Institute for Credentialing Excellence)
2001 K St. NW, Suite 300, Washington, DC  20006 | w: www.credentialingexcellence.org

  - PINS Date: Dec 15, 2017 | Public Review Date: Jan 4, 2019 | Final Action Date: Apr 9, 2019 | Approved

### IEEE (Institute of Electrical and Electronics Engineers)
445 Hoes Lane, Piscataway, NJ  08854-4141 | w: www.ieee.org

- ANSI/IEEE 1012-2016, Standard for System, Software and Hardware Verification and Validation  (new standard)
  - Public Review Date: Dec 2, 2016 | Final Action Date: Dec 4, 2017 | Approved

  - PINS Date: Mar 19, 2010 | Public Review Date: Sep 27, 2013 | Final Action Date: Jul 21, 2015 | Approved

- ANSI/IEEE 1018-2013, Recommended Practice for Specifying Electric Submersible Pump Cable--Ethylene-Propylene Rubber Insulation  (new standard)
  - PINS Date: Mar 19, 2010 | Public Review Date: Sep 27, 2013 | Final Action Date: Jul 29, 2015 | Approved

- ANSI/IEEE 1019-2013, Recommended Practice for Specifying Electric Submersible Pump Cable--Polypropylene Insulation  (new standard)
  - PINS Date: Mar 19, 2010 | Public Review Date: Sep 27, 2013 | Final Action Date: Jul 27, 2015 | Approved

  - Public Review Date: May 20, 2011 | Final Action Date: Apr 16, 2012 | Approved

  - PINS Date: May 5, 2006 | Public Review Date: Jul 8, 2011 | Final Action Date: Jul 25, 2012 | Approved

- ANSI/IEEE 1048-2016, Guide for Protective Grounding of Power Lines  (new standard)
  - PINS Date: Dec 30, 2005 | Public Review Date: Aug 26, 2016 | Final Action Date: Aug 31, 2017 | Approved

- ANSI/IEEE 1062-2015, Recommended Practice for Software Acquisition  (new standard)
  - PINS Date: Jun 13, 2008 | Public Review Date: May 27, 2016 | Final Action Date: May 22, 2017 | Approved

- ANSI/IEEE 1067-2012, Guide for In-Service Use, Care, Maintenance, and Testing of Conductive Clothing for Use on Voltages up to 765 kV ac and ±750 kV dc  (revision of ANSI/IEEE 1067-2005)
  - PINS Date: Feb 20, 2009 | Public Review Date: Jul 12, 2013 | Final Action Date: Oct 7, 2014 | Approved

  - Public Review Date: May 27, 2016 | Final Action Date: May 22, 2017 | Approved

  - PINS Date: Apr 12, 2013 | Public Review Date: Apr 8, 2016 | Final Action Date: Apr 6, 2017 | Approved
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<td>Health informatics - Point-of-care medical device communication - Part 10102: Nomenclature - Annotated ECG</td>
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<td>ANSI/IEEE 11073-10406-2011</td>
<td>Health Informatics - Personal Health Device Communication - Device Specialization - Basic Electrocardiograph (ECG) (1 to 3-lead ECG)</td>
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<td>ANSI/IEEE 11073-10417-2015</td>
<td>Health informatics - Personal health device communication - Part 10417: Device Specialization - Glucose Meter</td>
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<td>Health Informatics - Personal Health Device Communication - Device Specialization - International Normalized Ratio (INR) Monitor</td>
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<td>ANSI/IEEE 11073-10419-2015</td>
<td>Health informatics - Personal health device communication - Part 10419: Device Specialization - Insulin Pump</td>
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<td>Health informatics--Personal health device communication Part 10422: Device Specialization--Urine Analyzer</td>
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<td>ANSI/IEEE 11073-10427-2016</td>
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<td>Standard for Health Informatics - Point-of-Care Medical Device Communication - Part 30200 Transport Profile - Cable Connected - Amendment 1</td>
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<td>ANSI/IEEE 1143-2012</td>
<td>Guide on Shielding Practice for Low Voltage Cables</td>
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<td>Standard for Boundary-Scan Testing of Advanced Digital Networks</td>
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IEEE (Institute of Electrical and Electronics Engineers)

- ANSI/IEEE 1175.2-2006 (R2011), Recommended Practice for CASE Tool Interconnection - Characterization of Interconnections (reaffirmation of ANSI/IEEE 1175.2-2006)
  Public Review Date: Mar 9, 2012 | Final Action Date: Dec 3, 2012 | Approved

  Public Review Date: Jul 12, 2013 | Final Action Date: Oct 28, 2014 | Approved

  PINS Date: Jan 22, 2010 | Public Review Date: Jul 22, 2011 | Final Action Date: Apr 16, 2012 | Approved

  PINS Date: Dec 10, 2004 | Public Review Date: May 20, 2011 | Final Action Date: May 23, 2012 | Approved

- ANSI/IEEE 1242-2016, Guide for Specifying and Selecting Power, Control, and Special-Purpose Cable for Petroleum and Chemical Plants (new standard)
  PINS Date: Jan 21, 2011 | Public Review Date: Mar 24, 2017 | Final Action Date: Feb 27, 2018 | Approved

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  PINS Date: May 5, 2006 | Public Review Date: May 20, 2011 | Final Action Date: Jul 25, 2012 | Approved

  PINS Date: Nov 2, 2012 | Public Review Date: Aug 14, 2015 | Final Action Date: Aug 25, 2016 | Approved

  PINS Date: Jul 16, 2010 | Public Review Date: Feb 19, 2016 | Final Action Date: Dec 8, 2016 | Approved

  PINS Date: Dec 30, 2005 | Public Review Date: Mar 9, 2012 | Final Action Date: Oct 17, 2012 | Approved

  PINS Date: Jun 13, 2008 | Public Review Date: Jul 12, 2013 | Final Action Date: Oct 28, 2014 | Approved

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  PINS Date: Jul 17, 2009 | Public Review Date: Jul 16, 2010 | Final Action Date: Mar 21, 2011 | Approved

- ANSI/IEEE 1450-2011, Standard Test Interface Language (STIL) for Digital Test Vector Data (new standard)
  PINS Date: Dec 10, 2004 | Public Review Date: Jul 22, 2011 | Final Action Date: Jul 25, 2012 | Approved
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<td>Recommended Practice for Functional Testing of a Communications-Based Train Control (CBTC) System (new standard)</td>
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  Public Review Date: Mar 24, 2017 | Final Action Date: Nov 15, 2017 | Approved

- ANSI/IEEE 1653.1-2016, Standard for Traction Power Transformers for Substation Applications up to 1500 Volts DC Nominal Output (new standard)
  PINS Date: Apr 9, 2004 | Public Review Date: Dec 2, 2016 | Final Action Date: Dec 14, 2017 | Approved

  PINS Date: May 23, 2008 | Final Action Date: Sep 30, 2014 | Approved

- ANSI/IEEE 1653.4-2011, Standard for dc Traction Power System Field Testing and Acceptance Criteria for System Applications up to 1500 Volts dc Nominal (new standard)
  PINS Date: Apr 9, 2004 | Public Review Date: Mar 9, 2012 | Final Action Date: Jan 14, 2013 | Approved

- ANSI/IEEE 1657a-2015, Recommended Practice for Personnel Qualifications for Installation and Maintenance of Stationary Batteries - Amendment 1: Updated Safety Sections (new standard)
  PINS Date: Jul 3, 2015 | Public Review Date: Feb 19, 2016 | Final Action Date: Sep 14, 2016 | Approved

  PINS Date: Jun 4, 2004 | Public Review Date: Mar 9, 2012 | Final Action Date: Dec 10, 2012 | Approved

  PINS Date: Nov 4, 2016 | Public Review Date: Feb 19, 2016 | Final Action Date: Dec 8, 2016 | Approved

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  PINS Date: Jul 16, 2010 | Public Review Date: Jul 12, 2013 | Final Action Date: Oct 6, 2014 | Approved

- ANSI/IEEE 1671.5-2015, Standard for Automatic Test Markup Language (ATML) Test Adapter Description (new standard)
  PINS Date: Jul 16, 2010 | Public Review Date: Feb 19, 2016 | Final Action Date: Aug 22, 2016 | Approved

- ANSI/IEEE 1671.6-2015, Standard for Automatic Test Markup Language (ATML) Test Station Description (new standard)
  PINS Date: Jul 16, 2010 | Public Review Date: Feb 19, 2016 | Final Action Date: Aug 22, 2016 | Approved

- ANSI/IEEE 1673-2015, Standard for Requirements for Conduit and Cable Seals for Field Connected Wiring to Equipment in Petroleum and Chemical Industry Exposed to Pressures above Atmospheric (1.5 kPa, 0.22 psi) (new standard)
  PINS Date: Mar 19, 2010 | Public Review Date: May 27, 2016 | Final Action Date: May 5, 2017 | Approved
ANSI/IEEE 1680.2-2012, Standard for Environmental Assessment of Imaging Equipment (new standard)  
PINS Date: Oct 23, 2009 | Public Review Date: Nov 2, 2012 | Final Action Date: Mar 28, 2016 | Approved

ANSI/IEEE 1680.3-2012, Standard for Environmental Assessment of Televisions (new standard)  
PINS Date: Oct 23, 2009 | Public Review Date: Nov 2, 2012 | Final Action Date: Mar 28, 2016 | Approved

ANSI/IEEE 1682-2011, Trial-Use Standard for Qualifying Fiber Optic Cables, Connections and Optical Fiber Splices for Use in (new standard)  
PINS Date: Nov 25, 2005 | Public Review Date: Mar 9, 2012 | Final Action Date: Dec 12, 2012 | Approved

PINS Date: May 5, 2006 | Public Review Date: Mar 9, 2012 | Final Action Date: Nov 19, 2012 | Approved

ANSI/IEEE 1695-2016, Guide to Understanding, Diagnosing, and Mitigating Stray and Contact Voltage (new standard)  
PINS Date: Dec 17, 2010 | Public Review Date: Aug 26, 2016 | Final Action Date: Aug 3, 2017 | Approved

ANSI/IEEE 1707-2015, Recommended Practice for the Investigation of Events at Nuclear Facilities (new standard)  
PINS Date: Jun 8, 2012 | Public Review Date: Apr 8, 2016 | Final Action Date: Mar 16, 2017 | Approved

ANSI/IEEE 1722-2016, Standard for a Transport Protocol for Time Sensitive Applications in a Bridged Local Area Network (new standard)  
PINS Date: Aug 17, 2007 | Public Review Date: Sep 2, 2016 | Final Action Date: Jul 28, 2017 | Approved

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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 1734-2011, Standard for Quality of Electronic and Software Intellectual Property used in System and System on Chip (SoC) Designs (new standard)  
PINS Date: May 23, 2008 | Public Review Date: Mar 9, 2012 | Final Action Date: Jul 18, 2012 | Approved

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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)  
PINS Date: Nov 16, 2012 | Public Review Date: Sep 2, 2016 | Final Action Date: Sep 27, 2017 | Approved

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ANSI/IEEE 1788-2015, Standard for Interval Arithmetic (new standard)  
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### IEEE (Institute of Electrical and Electronics Engineers)

- ANSI/IEEE 1857-2013, Standard for Advanced Audio and Video Coding (new standard)
  - PINS Date: Jun 15, 2012 | Public Review Date: Sep 27, 2013 | Final Action Date: Jul 21, 2015 | Approved

- ANSI/IEEE 1857.5-2015, Draft Standard for Advanced Mobile Speech and Audio (new standard)
  - PINS Date: Jan 17, 2014 | Public Review Date: May 27, 2016 | Final Action Date: Apr 18, 2017 | Approved

  - PINS Date: Nov 16, 2012 | Public Review Date: Nov 3, 2017 | Final Action Date: Oct 11, 2018 | Approved

  - PINS Date: Feb 24, 2012 | Public Review Date: Aug 14, 2015 | Final Action Date: Aug 5, 2016 | Approved

  - PINS Date: Nov 30, 2012 | Public Review Date: Dec 2, 2016 | Final Action Date: Dec 4, 2017 | Approved

  - PINS Date: Apr 12, 2013 | Public Review Date: Jul 14, 2017 | Final Action Date: Jul 31, 2018 | Approved

- ANSI/IEEE 1888.4-2016, Standard for Green Smart Home and Residential Quarter Control Network Protocol (new standard)
  - PINS Date: Apr 12, 2013 | Public Review Date: May 26, 2017 | Final Action Date: Apr 27, 2018 | Approved

- ANSI/IEEE 1896-2016, Standard for Identification of Contact Wire Used in Overhead Contact Systems (new standard)
  - PINS Date: Nov 29, 2013 | Public Review Date: Dec 2, 2016 | Final Action Date: Nov 15, 2017 | Approved

- ANSI/IEEE 1898-2016, Standard for High-Voltage Direct-Current (HVDC) Composite Post Insulators (new standard)
  - PINS Date: Nov 8, 2013 | Public Review Date: Mar 24, 2017 | Final Action Date: Feb 27, 2018 | Approved

  - PINS Date: Nov 8, 2013 | Public Review Date: Jul 14, 2017 | Final Action Date: Jul 2, 2018 | Approved

  - PINS Date: May 1, 2009 | Public Review Date: Mar 9, 2012 | Final Action Date: Nov 27, 2012 | Approved

  - PINS Date: May 23, 2008 | Public Review Date: Mar 9, 2012 | Final Action Date: Jan 11, 2013 | Approved

  - PINS Date: Jan 21, 2011 | Public Review Date: Sep 27, 2013 | Final Action Date: Jul 21, 2015 | Approved

- ANSI/IEEE 1906.1-2015, Recommended Practice for Nanoscale and Molecular Communication Framework (new standard)
  - PINS Date: Jun 24, 2011 | Public Review Date: May 27, 2016 | Final Action Date: May 5, 2017 | Approved

- ANSI/IEEE 2030-2011, Guide for Smart Grid Interoperability of Energy Technology and Information Technology Operation with the Electric Power System (EPS), and End-Use Applications and Loads (new standard)
  - PINS Date: May 1, 2009 | Public Review Date: Oct 14, 2011 | Final Action Date: Jan 24, 2013 | Approved

- ANSI/IEEE 2030.100-2017, Recommended Practice for Implementing an IEC 61850-Based Substation Communications, Protection, Monitoring, and Control System (new standard)
  - PINS Date: Jul 6, 2012 | Public Review Date: Nov 3, 2017 | Final Action Date: Nov 29, 2018 | Approved
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<td>ANSI/IEEE 2404-2016</td>
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PINS Date: Mar 26, 2010 | Public Review Date: Mar 9, 2012 | Final Action Date: Jan 24, 2013 | Approved

- ANSI/IEEE 3001.11-2017, Recommended Practice for Application of controllers and automation to Industrial and Commercial Power Systems (new standard)
  
PINS Date: Jan 22, 2010 | Public Review Date: Sep 8, 2017 | Final Action Date: Sep 13, 2018 | Approved

- ANSI/IEEE 3001.8-2013, Recommended Practice for the Instrumentation and Metering of Industrial and Commercial Power Systems (new standard)
  
PINS Date: Jul 18, 2008 | Public Review Date: Jul 12, 2013 | Final Action Date: Oct 31, 2014 | Approved

- ANSI/IEEE 3004.1-2013, Recommended Practice for the Application of Instrument Transformers in Industrial and Commercial Power Systems (new standard)
  
PINS Date: Jul 18, 2008 | Public Review Date: Jul 12, 2013 | Final Action Date: Oct 31, 2014 | Approved

- ANSI/IEEE 3004.8-2016, Recommended Practice for Motor Protection in Industrial and Commercial Power Systems (new standard)
  
PINS Date: Jan 21, 2011 | Public Review Date: May 26, 2017 | Final Action Date: Apr 27, 2018 | Approved

- ANSI/IEEE 3006.2-2016, Recommended Practice for Evaluating the Reliability of Existing Industrial and Commercial Power Systems (new standard)
  
PINS Date: Jan 17, 2014 | Public Review Date: Dec 2, 2016 | Final Action Date: Dec 6, 2017 | Approved

- ANSI/IEEE 3006.7-2013, Recommended Practice for Determining the Reliability of "24 x 7" Continuous Power Systems in Industrial and Commercial Facilities (new standard)
  
PINS Date: Jul 18, 2008 | Public Review Date: Sep 27, 2013 | Final Action Date: Jul 22, 2015 | Approved

- ANSI/IEEE 3006.9-2013, Recommended Practice for Collecting Data for Use in Reliability, Availability, and Maintainability Assessments of Industrial and Commercial Power Systems (new standard)
  
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  - PINS Date: Jul 10, 2015 | Public Review Date: Dec 2, 2016 | Final Action Date: Sep 20, 2017 | **Approved**

- **ANSI/IEEE 62582-3-2012**, Nuclear Power Plants - Instrumentation and control important to safety - Electrical equipment condition monitoring methods - Part 3: Elongation at break (new standard)
  - PINS Date: Jul 17, 2009 | Public Review Date: Jul 5, 2013 | Final Action Date: Sep 30, 2014 | **Approved**

  - PINS Date: Jul 17, 2009 | Public Review Date: Feb 19, 2016 | Final Action Date: Aug 25, 2016 | **Approved**

- **ANSI/IEEE 62704-2-2017**, IEEE/IEC International Standard -- Determining the peak spatial-average specific absorption rate (SAR) in the human body from wireless communications devices, 30 MHz to 6 GHz -- Part 2: Specific requirements for finite difference time domain (FDTD) modelling of exposure from vehicle mounted antennas (new standard)
  - PINS Date: Jun 24, 2011 | Public Review Date: Nov 3, 2017 | Final Action Date: Oct 11, 2018 | **Approved**

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  - PINS Date: Feb 24, 2012 | Public Review Date: Dec 2, 2016 | Final Action Date: Nov 2, 2017 | **Approved**

- **ANSI/IEEE 802.15.4-2015**, Standard for Low-Rate Wireless Personal Area Networks (WPANs) (revision of ANSI/IEEE 802.15.4-2011)
  - PINS Date: Nov 8, 2013 | Public Review Date: May 27, 2016 | Final Action Date: May 22, 2017 | **Approved**
ANSI/IEEE 802.15.4j-2013, Standard for Local and metropolitan area networks - Part 15.4: Low-Rate Wireless Personal Area Networks (LR-WPANs) - Amendment 4: Alternative Physical Layer Extension to Support Medical Body Area Network (MBAN) Services Operating in the 2360 MHz - 2400 MHz Band (new standard)
PINS Date: Jan 21, 2011 | Public Review Date: Jul 12, 2013 | Final Action Date: Oct 7, 2014 | Approved

ANSI/IEEE 802.15.4u-2016, Standard for Low-Rate Wireless Networks--Amendment 3: Use of the 865 MHz to 867 MHz Band in India (new standard)
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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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PINS Date: Jan 22, 2010 | Public Review Date: Jul 8, 2011 | Final Action Date: Apr 16, 2012 | Approved

ANSI/IEEE 802.1AC-2016, Standard for Local and metropolitan area networks -- Media Access Control (MAC) Service Definition (new standard)
PINS Date: Nov 29, 2013 | Public Review Date: Jun 2, 2017 | Final Action Date: May 18, 2018 | Approved

ANSI/IEEE 802.1AEbw-2013, Standard for Local and metropolitan area networks - Media Access Control (MAC) Security Amendment 2: Extended Packet Numbering (new standard)
PINS Date: Jul 6, 2012 | Public Review Date: Jul 12, 2013 | Final Action Date: Oct 24, 2014 | Approved

ANSI/IEEE 802.1BA-2011, Standard for Local and Metropolitan Area Networks - Audio Video Bridging (AVB) Systems (new standard)
PINS Date: Jun 13, 2008 | Public Review Date: Mar 9, 2012 | Final Action Date: Dec 7, 2012 | Approved

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ANSI/IEEE 802.1Q-2012, Standard for Local and Metropolitan Area Networks - Media Access Control (MAC) Bridges and Virtual Bridges (revision of ANSI/IEEE 802.1Q-2006)
Public Review Date: Jul 8, 2011 | Final Action Date: Apr 23, 2012 | Approved

ANSI/IEEE 802.1Qaz-2011, Standard for Local and Metropolitan Area Networks - Virtual Bridged Local Area Networks - Amendment: Enhanced Transmission Selection for Bandwidth Sharing Between Traffic Classes (addenda to ANSI/IEEE 802.1Q-2011)
PINS Date: May 23, 2008 | Public Review Date: Jul 22, 2011 | Final Action Date: Sep 27, 2012 | Approved

ANSI/IEEE 802.1Qbb-2011, Standard for Local and Metropolitan Area Networks - Virtual Bridged Local Area Networks - Amendment: Priority-based Flow Control (addenda to ANSI/IEEE 802.1Q-2011)
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ANSI/IEEE 802.1Qbc-2011, Standard for Local and Metropolitan Area Networks - Virtual Bridged Local Area Networks - Amendment: Provider Bridging - Remote Customer Service Interfaces (addenda to ANSI/IEEE 802.1Q-2011)
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ANSI/IEEE C37.010-2016, Application Guide for AC High-Voltage Circuit Breakers > 1000 Vac Rated on a Symmetrical Current Basis  (new standard)
PINS Date: Jan 28, 2011 | Public Review Date: Mar 24, 2017 | Final Action Date: Mar 23, 2018 | Approved

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ANSI/IEEE C37.06.1-2021, Recommended Practice for Preferred Ratings for High-Voltage(1000 volts) AC Circuit Breakers Designated Definite Purpose for Fast Transient Recovery Voltage Rise Times  (new standard)
PINS Date: Jul 17, 2009 | Public Review Date: Aug 17, 2018 | Final Action Date: Oct 21, 2021 | Approved

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- ANSI/IEEE C37.120-2022, Guide for Protection System Redundancy for Power System Reliability (new standard)
  PINS Date: Oct 1, 2021 | Public Review Date: Dec 31, 2021 | Final Action Date: Apr 29, 2022 | Approved

  PINS Date: Oct 30, 2009 | Public Review Date: Jul 12, 2013 | Final Action Date: Oct 28, 2014 | Approved

- ANSI/IEEE C37.122.3-2011, Guide for Sulphur Hexafluoride (SF6) Gas Handling for High Voltage (over 1000 Vac) Equipment (new standard)
  PINS Date: Jan 5, 2007 | Public Review Date: Mar 9, 2012 | Final Action Date: Jan 14, 2013 | Approved

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- ANSI/IEEE C37.20.2-2015, Standard for Metal-Clad Switchgear (new standard)
  PINS Date: Nov 14, 2008 | Public Review Date: Feb 19, 2016 | Final Action Date: Sep 12, 2016 | Approved

- ANSI/IEEE C37.20.4-2013, Standard for Indoor AC Switches (1 kV to 38 kV) for Use in Metal-Enclosed Switchgear (revision of ANSI/IEEE C37.20.4-2001 (R2006))
  PINS Date: Aug 17, 2007 | Public Review Date: Sep 27, 2013 | Final Action Date: Jul 31, 2015 | Approved

- ANSI/IEEE C37.20.6-2015, Standard for 4.76 kV to 38 kV Rated Ground and Test Devices Used in Enclosures (revision of ANSI/IEEE C37.20.6-2007)
  Public Review Date: Aug 14, 2015 | Final Action Date: Aug 5, 2016 | Approved

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- ANSI/IEEE C37.242-2013, Guide for Synchronization, Calibration, Testing, and Installation of Phasor Measurement Units (PMUs) for Power System Protection and Control (new standard)
  PINS Date: Dec 17, 2010 | Public Review Date: Jul 12, 2013 | Final Action Date: Oct 7, 2014 | Approved

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- ANSI/IEEE C37.244-2013, Guide for Phasor Data Concentrator Requirements for Power System Protection, Control, and Monitoring (new standard)
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- ANSI/IEEE C37.47-2011, Standard Specifications For High Voltage (> 1000 V) Current-Limiting Type Distribution Class Fuses and Fuse Disconnecting Switches (new standard)
  PINS Date: Jul 17, 2009 | Public Review Date: Mar 9, 2012 | Final Action Date: Jan 11, 2013 | Approved

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- **ANSI/IEEE C37.74-2014, Standard Requirements for Subsurface, Vault, and Padmounted Load-Interrupter Switchgear and Fused Load-Interrupter Switchgear for Alternating Current Systems up to 38 kV** (new standard)
  - PINS Date: Jan 5, 2007 | Public Review Date: May 29, 2015 | Final Action Date: Feb 17, 2016 | Approved

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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)
  - PINS Date: Feb 19, 2010 | Public Review Date: Aug 14, 2015 | Final Action Date: Aug 23, 2016 | Approved

- **ANSI/IEEE C57.12.20-2011, Standard for Overhead Type Distribution Transformers, 500 kVA and Smaller; High Voltage, 34 500 Volts and Below; Low Voltage, 7970/13 800Y Volts and Below** (revision of ANSI/IEEE C57.12.20-2005)
  - Public Review Date: Mar 9, 2012 | Final Action Date: Nov 27, 2012 | Approved

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- **ANSI/IEEE C57.12.34-2015, Standard Requirements for Pad-Mounted, Compartmental-Type, Self-Cooled, Three-Phase Distribution Transformers, 10 MVA and Smaller; High-Voltage, 34.5 kV Nominal System Voltage and Below; Low-Voltage, 15 kV Nominal System Voltage and Below** (revision of ANSI/IEEE C57.12.34-2009)
  - PINS Date: Jul 22, 2011 | Public Review Date: Feb 19, 2016 | Final Action Date: Dec 16, 2016 | Approved

- **ANSI/IEEE C57.12.36-2017, Standard Requirements for Liquid-Immersed Distribution Substation Transformers** (new standard)
  - PINS Date: Mar 2, 2012 | Public Review Date: Apr 13, 2018 | Final Action Date: Apr 3, 2019 | Approved

- **ANSI/IEEE C57.12.40-2017, Standard for Network, Three-Phase Transformers, 2500 kVA and Smaller; High Voltage, 34 500 V and Below; Low Voltage, 600 V and Below; Subway and Vault Types (Liquid Immersed)** (new standard)
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- ANSI/IEEE C93.3-2017, Standard for the Requirements for Power-Line Carrier Line Traps (30-500 kHz) (new standard)
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- 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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- 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)
  PINS Date: Nov 16, 2001 | Public Review Date: Oct 23, 2020 | Final Action Date: Jan 19, 2021 | Approved

- ANSI C63.25.1-2018, Standard Validation Methods for Radiated Emission Test Sites, 1 GHz to 18 GHz (new standard)
  PINS Date: Nov 11, 2011 | Public Review Date: Aug 31, 2018 | Final Action Date: Dec 17, 2018 | Approved

- ANSI C63.30-2021, Standard for compliance testing of Wireless Power Transfer Products (new standard)
  PINS Date: May 29, 2015 | Public Review Date: Dec 20, 2020 | Final Action Date: Mar 8, 2021 | Approved

- ANSI C63.7-2015, Standard Guide for Construction of Test Sites for Performing Radiated Emission Measurements (revision of ANSI C63.7-2005)
  PINS Date: May 24, 2013 | Public Review Date: Dec 5, 2014 | Final Action Date: Jan 29, 2015 | Approved

  Public Review Date: Jun 14, 2019 | Final Action Date: Jul 22, 2019 | Approved
IEEE (ASC C63) (Institute of Electrical and Electronics Engineers)

  Public Review Date: Aug 3, 2012 | Final Action Date: Nov 30, 2012 | Approved

- ANSI/IEEE C63.4a-2017, Draft Standard for the Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the Range of 160kHz to 40 GHz: Amendment 1: Amendment to Annex D of ANSI C63.4-2014 on Test Site Validation (supplement to ANSI/IEEE C63.4-2014)
  PINS Date: Apr 15, 2016 | Public Review Date: Jun 23, 2017 | Final Action Date: Sep 15, 2017 | Approved

IEEE (ASC N42) (Institute of Electrical and Electronics Engineers)

- ANSI C63.27-2021, Standard for Evaluation of Wireless Coexistence (revision of ANSI C63.27-2017)
  PINS Date: Dec 1, 2017 | Public Review Date: Sep 3, 2021 | Final Action Date: Nov 29, 2021 | Approved

  PINS Date: Aug 23, 2013 | Public Review Date: Sep 27, 2013 | Final Action Date: Dec 16, 2013 | Approved

- ANSI N42.17AC-2022, Performance Specifications for Health Physics Instrumentation - Portable Survey Instrumentation for Use in Normal and Extreme Environmental Conditions (new standard)
  PINS Date: Feb 13, 2015 | Public Review Date: Apr 24, 2020 | Final Action Date: Mar 4, 2022 | Approved

- ANSI N42.32-2016, Performance Criteria for Alarming Personal Radiation Detectors for Homeland Security (revision of ANSI N42.32-2006)
  PINS Date: Sep 6, 2013 | Public Review Date: Jun 19, 2015 | Final Action Date: Apr 7, 2016 | Approved

- ANSI N42.32a-2022, Performance Criteria for Alarming Personal Radiation Detectors for Homeland Security (addenda to ANSI N42.32-2016)
  PINS Date: Apr 10, 2020 | Public Review Date: Oct 30, 2020 | Final Action Date: Mar 4, 2022 | Approved

  PINS Date: Oct 21, 2016 | Public Review Date: Oct 13, 2017 | Final Action Date: Aug 9, 2019 | Approved

- ANSI N42.34-2021, Standard Performance Criteria for Handheld Instruments for the Detection and Identification of Radionuclides (revision of ANSI N42.34-2015)
  Public Review Date: Apr 2, 2021 | Final Action Date: May 20, 2021 | Approved

- ANSI N42.34a-2020, Standard Performance Criteria for Handheld Instruments for the Detection and Identification of Radionuclides Amendment (addenda to ANSI N42.34-2015)
  PINS Date: Sep 6, 2019 | Public Review Date: May 15, 2020 | Final Action Date: Aug 10, 2020 | Approved

  PINS Date: Sep 6, 2013 | Public Review Date: Feb 20, 2015 | Final Action Date: Mar 17, 2016 | Approved

- ANSI N42.37-2016, Training for the Radiological/Nuclear Detection Mission (revision of ANSI N42.37-2006)
  PINS Date: Aug 15, 2014 | Public Review Date: Sep 9, 2016 | Final Action Date: Nov 7, 2016 | Approved

  PINS Date: Jun 29, 2018 | Public Review Date: Aug 31, 2018 | Final Action Date: Dec 17, 2018 | Approved

- ANSI N42.41-2021, Standard Minimum Performance Criteria for Active Interrogation Systems Used for Homeland Security (revision of ANSI N42.41-2007 (R2017))
  PINS Date: Oct 20, 2017 | Public Review Date: May 28, 2021 | Final Action Date: Nov 12, 2021 | Approved
### IEEE (ASC N42) (Institute of Electrical and Electronics Engineers)

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<td>ANSI N42.49A (R2022), Standard for Performance Criteria for Alarming Electronic Personal Emergency Radiation Detectors (PERDs) for Exposure Control (reaffirmation and redesignation of ANSI/N42.49a-2011)</td>
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<td>ANSI N42.49B-2013, Performance Criteria for Non-alarming Personal Emergency Radiation Detectors (PERDs) for Exposure Control (new standard)</td>
<td>PINS Date: May 8, 2009</td>
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<td>ANSI N42.50-2022, Standard Performance Specifications for Instrumentation Systems Designed for Measuring Radon Progeny in Air (new standard)</td>
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<td>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)</td>
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<td>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)</td>
<td>PINS Date: Apr 15, 2011</td>
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<td>ANSI N42.60-2019, Standard Training for Radiological/Nuclear Detection for Initial Response (new standard)</td>
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### IES (Illuminating Engineering Society)

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<th>ANSI/IES LM-20-2020, Approved Method: Photometry of Reflector Type Lamps (new standard)</th>
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IES (Illuminating Engineering Society)

  PINS Date: Feb 15, 2019 | Public Review Date: Sep 27, 2019 | Final Action Date: Feb 7, 2020 | Approved

  PINS Date: Nov 22, 2019 | Public Review Date: Mar 6, 2020 | Final Action Date: Apr 21, 2020 | Approved

- ANSI/IES LM-62-2020, Approved Method: Guide for Laboratory or Field Measurements of Fluorescent Lamps and Ballasts in Luminaires (new standard)
  PINS Date: Sep 27, 2019 | Public Review Date: Dec 20, 2019 | Final Action Date: Feb 7, 2020 | Approved

  PINS Date: Feb 22, 2019 | Public Review Date: Jul 5, 2019 | Final Action Date: Jan 6, 2020 | Approved

  PINS Date: Sep 27, 2019 | Public Review Date: Dec 20, 2019 | Final Action Date: Feb 7, 2020 | Approved

  PINS Date: Nov 22, 2019 | Public Review Date: Jan 24, 2020 | Final Action Date: Mar 23, 2020 | Approved

- ANSI/IES LM-72-2020, Approved Method: Directional Positioning of Photometric Data (new standard)
  PINS Date: Nov 8, 2019 | Public Review Date: Mar 6, 2020 | Final Action Date: Apr 21, 2020 | Approved

  PINS Date: Nov 7, 2014 | Public Review Date: Nov 11, 2016 | Final Action Date: Apr 16, 2018 | Approved

  PINS Date: Feb 15, 2019 | Public Review Date: Jun 14, 2019 | Final Action Date: Nov 22, 2019 | Approved

  PINS Date: Feb 15, 2019 | Public Review Date: Nov 8, 2019 | Final Action Date: Feb 7, 2020 | Approved

  PINS Date: Feb 15, 2019 | Public Review Date: Jul 19, 2019 | Final Action Date: Feb 7, 2020 | Approved

  PINS Date: Dec 4, 2015 | Public Review Date: Mar 15, 2019 | Final Action Date: May 14, 2019 | Approved

  Public Review Date: Dec 20, 2019 | Final Action Date: Feb 7, 2020 | Approved

  Public Review Date: Jun 18, 2021 | Final Action Date: Aug 6, 2021 | Approved

  PINS Date: Sep 27, 2019 | Public Review Date: Dec 20, 2019 | Final Action Date: Feb 7, 2020 | Approved
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<td>ANSI/IES LS-8-2020</td>
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IES (Illuminating Engineering Society)

- ANSI/IES RP-28-2020, Recommended Practice: Lighting and the Visual Environment for Older Adults and the Visually Impaired (revision of ANSI/IES RP-28-2016)
  PINS Date: Jul 26, 2019 | Public Review Date: Nov 8, 2019 | Final Action Date: Feb 7, 2020 | Approved

- ANSI/IES RP-29-2020, Recommended Practice: Lighting Hospital and Healthcare Facilities (revision of ANSI/IES RP-29-2016)
  PINS Date: Jun 28, 2019 | Public Review Date: Nov 8, 2019 | Final Action Date: Mar 23, 2020 | Approved

- ANSI/IES RP-3-2020, Recommended Practice: Lighting Educational Facilities (revision of ANSI/IESNA RP-3-2013)
  PINS Date: Jul 28, 2017 | Public Review Date: Mar 6, 2020 | Final Action Date: Apr 21, 2020 | Approved

  PINS Date: Nov 7, 2014 | Public Review Date: Oct 14, 2016 | Final Action Date: Jan 30, 2017 | Approved

- ANSI/IES RP-30-2020, Recommended Practice: Lighting Museums (revision of ANSI/IES RP-30-16)
  PINS Date: Jun 28, 2019 | Public Review Date: Jan 24, 2020 | Final Action Date: Mar 20, 2020 | Approved

- ANSI/IES RP-31-2020, Recommended Practice: Economic Analysis of Lighting (new standard)
  PINS Date: Nov 8, 2019 | Public Review Date: Mar 6, 2020 | Final Action Date: Apr 21, 2020 | Approved

- ANSI/IES RP-37-2020, Recommended Practice: Lighting Airport Outdoor Environments (new standard)
  PINS Date: Jul 19, 2019 | Public Review Date: Dec 20, 2019 | Final Action Date: Feb 7, 2020 | Approved

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

  PINS Date: Dec 28, 2018 | Public Review Date: Feb 15, 2019 | Final Action Date: Apr 9, 2019 | Approved

- ANSI/IES RP-4-2020, Recommended Practice: Lighting Library Spaces (new standard)
  PINS Date: Jan 24, 2020 | Public Review Date: Apr 3, 2020 | Final Action Date: May 21, 2020 | Approved

- ANSI/IES RP-40-2019, Recommended Practice: Lighting Port Terminals (new standard)
  PINS Date: Aug 26, 2016 | Public Review Date: Sep 27, 2019 | Final Action Date: Dec 17, 2019 | Approved

- ANSI/IES RP-41-2020, Recommended Practice: Lighting Theatre and Auditorium Spaces (new standard)
  PINS Date: Feb 15, 2019 | Public Review Date: Jan 24, 2020 | Final Action Date: Mar 23, 2020 | Approved

- ANSI/IES RP-42-2020, Recommended Practice: Dimming and Control Method Designations (new standard)
  PINS Date: Nov 8, 2019 | Public Review Date: Mar 6, 2020 | Final Action Date: May 29, 2020 | Approved

- ANSI/IES RP-43-2022, Recommended Practice: Lighting Exterior Applications (illuminance table only) (new standard)
  PINS Date: Feb 7, 2020 | Public Review Date: Mar 11, 2022 | Final Action Date: May 31, 2022 | Approved

- ANSI/IES RP-44-2021, Recommended Practice: Ultraviolet Germicidal Irradiation (UVGI) (new standard)
  PINS Date: Mar 12, 2021 | Public Review Date: May 7, 2021 | Final Action Date: Jul 1, 2021 | Approved

- ANSI/IES RP-45-2021, Recommended Practice: Horticultural Lighting (new standard)
  PINS Date: Jul 19, 2019 | Public Review Date: Jul 23, 2021 | Final Action Date: Sep 17, 2021 | Approved

- ANSI/IES RP-6-2022, Recommended Practice: Lighting Sports and Recreational Areas - Bullpen Lighting (revision of ANSI/IES RP-6-2020)
  Public Review Date: May 20, 2022 | Final Action Date: Jul 11, 2022 | Approved
IES (Illuminating Engineering Society)

- ANSI/IES RP-7-2017, Recommended Practice for Lighting Industrial Facilities (revision and redesignation of ANSI/IESNA RP-7-2012)
  PINS Date: Aug 19, 2016 | Public Review Date: Jan 27, 2017 | Final Action Date: Jul 13, 2017 | Approved

- ANSI/IES RP-7-2020, Recommended Practice: Lighting Industrial Facilities (revision of ANSI/IES RP-7-2017)
  Public Review Date: Nov 8, 2019 | Final Action Date: Mar 23, 2020 | Approved

- ANSI/IES RP-7-2021, Recommended Practice: Lighting Industrial Facilities (addenda to ANSI/IES RP-7-2020)
  Public Review Date: Feb 5, 2021 | Final Action Date: Mar 25, 2021 | Approved

  Public Review Date: Nov 8, 2019 | Final Action Date: Jan 16, 2020 | Approved

  PINS Date: Sep 2, 2016 | Public Review Date: Jun 8, 2018 | Final Action Date: Sep 20, 2018 | Approved

- ANSI/IES RP-8-2021, Recommended Practice: Design and Maintenance of Roadway and Parking Facility Lighting (revision of ANSI/IES RP-8-2018)
  Public Review Date: Sep 10, 2021 | Final Action Date: Nov 18, 2021 | Approved

- ANSI/IES RP-9-2020, Recommended Practice: Lighting Hospitality Spaces (new standard)
  PINS Date: Nov 24, 2017 | Public Review Date: Jan 24, 2020 | Final Action Date: Mar 19, 2020 | Approved

  PINS Date: Feb 15, 2019 | Public Review Date: Apr 3, 2020 | Final Action Date: May 21, 2020 | Approved

  PINS Date: Mar 15, 2019 | Public Review Date: Jun 14, 2019 | Final Action Date: Oct 28, 2019 | Approved

  Public Review Date: Jun 18, 2021 | Final Action Date: Aug 6, 2021 | Approved

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  PINS Date: Jul 5, 2019 | Public Review Date: Mar 27, 2020 | Final Action Date: May 28, 2020 | Approved

  PINS Date: Sep 13, 2019 | Public Review Date: Oct 18, 2019 | Final Action Date: Feb 7, 2020 | Approved

- ANSI/IES TM-26-2020, Technical Memorandum: Projecting Catastrophic Failure Rate of LED Packages (new standard)
  PINS Date: Jul 5, 2019 | Public Review Date: Mar 6, 2020 | Final Action Date: Apr 23, 2020 | Approved

  PINS Date: Jul 5, 2019 | Public Review Date: Sep 27, 2019 | Final Action Date: Feb 7, 2020 | Approved
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  PINS Date: Dec 29, 2017 | Public Review Date: Mar 16, 2018 | Final Action Date: Jul 27, 2018 | Approved

  PINS Date: Jul 5, 2019 | Public Review Date: Sep 27, 2019 | Final Action Date: Feb 25, 2020 | Approved

- ANSI/IES TM-32-2019, Lighting Practice: Building Information Management (new standard)
  PINS Date: Feb 15, 2019 | Public Review Date: Jul 19, 2019 | Final Action Date: Nov 8, 2019 | Approved

  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

  PINS Date: May 15, 2020 | Public Review Date: Dec 17, 2021 | Final Action Date: Mar 10, 2022 | Approved

- ANSI/IES/NALMCO RP-36-2020, Recommended Practice: Lighting Maintenance (new standard)
  PINS Date: Sep 27, 2019 | Public Review Date: Dec 20, 2019 | Final Action Date: Feb 7, 2020 | Approved

IEST (Institute of Environmental Sciences and Technology)

  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
IEST (Institute of Environmental Sciences and Technology)

  PINS Date: Mar 22, 2019 | Public Review Date: Apr 26, 2019 | Final Action Date: Jun 21, 2019 | Approved

  PINS Date: Aug 21, 2015 | Public Review Date: Sep 18, 2015 | Final Action Date: Dec 22, 2015 | Approved

  Public Review Date: Jan 27, 2006 | Final Action Date: Mar 24, 2006 | Approved

  Public Review Date: Dec 20, 2002 | Final Action Date: Jul 29, 2003 | Approved

  Public Review Date: Dec 16, 2005 | Final Action Date: Feb 28, 2006 | Approved

- ANSI/IEST/ISO 14644-7-2004, Cleanrooms and associated controlled environments-Part 7: Separative devices (clean air hoods, gloveboxes, isolators and minienvironments (identical national adoption of ISO 14644-7)
  Public Review Date: Dec 16, 2005 | Final Action Date: Feb 28, 2006 | Approved

- ANSI/IEST/ISO 14644-8-2006, Cleanrooms and associated controlled environments - Part 8: Classification of airborne molecular contamination (identical national adoption of ISO 14644-8)
  Public Review Date: Sep 15, 2006 | Final Action Date: Nov 17, 2006 | Approved

  PINS Date: Jun 15, 2012 | Public Review Date: Jan 3, 2020 | Final Action Date: Feb 24, 2020 | Approved

IIAR (International Institute of Ammonia Refrigeration)

1001 N. Fairfax Street, Suite 503, Alexandria, VA  22314-1797 | w: www.iiar.org

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

  PINS Date: Feb 10, 2017 | Public Review Date: Feb 8, 2019 | Final Action Date: Jun 5, 2019 | Approved

  PINS Date: Aug 9, 2019 | Public Review Date: Mar 19, 2021 | Final Action Date: Jul 8, 2021 | Approved

  PINS Date: Jan 8, 2021 | Public Review Date: Mar 25, 2022 | Final Action Date: Jul 11, 2022 | Approved

  PINS Date: Feb 1, 2019 | Public Review Date: Sep 25, 2020 | Final Action Date: Nov 12, 2020 | Approved

  PINS Date: Jun 23, 2017 | Public Review Date: Jul 5, 2019 | Final Action Date: Sep 9, 2019 | Approved
### IIAR (International Institute of Ammonia Refrigeration)

  (new standard)  
  PINS Date: Feb 29, 2008 | Public Review Date: Feb 15, 2019 | Final Action Date: Apr 16, 2019 | Approved

  (revision of ANSI/IIAR 7-2013)  
  PINS Date: Jun 23, 2017 | Public Review Date: Oct 5, 2018 | Final Action Date: Apr 16, 2019 | Approved

- **ANSI/IIAR 8-2020**, Decommissioning of Closed-Circuit Ammonia Refrigeration Systems  
  (revision of ANSI/IIAR 8-2015)  
  PINS Date: Feb 1, 2019 | Public Review Date: Sep 25, 2020 | Final Action Date: Nov 12, 2020 | Approved

  (new standard)  
  PINS Date: Oct 2, 2015 | Public Review Date: Sep 20, 2019 | Final Action Date: Mar 3, 2020 | Approved

  (new standard)  
  PINS Date: Oct 30, 2015 | Public Review Date: Feb 12, 2021 | Final Action Date: Apr 13, 2021 | Approved

### IICRC (The Institute of Inspection, Cleaning and Restoration Certification)

- **ANSI/IICRC S100-2021**, Standard for Professional Cleaning of Textile Floor Coverings  
  (revision of ANSI/IICRC S100-2015)  
  PINS Date: Feb 19, 2016 | Public Review Date: Feb 26, 2021 | Final Action Date: Apr 29, 2021 | Approved

  (new standard)  
  PINS Date: Feb 22, 2013 | Public Review Date: Oct 16, 2020 | Final Action Date: Dec 3, 2020 | Approved

- **ANSI/IICRC S500-2021**, Standard for Professional Water Damage Restoration  
  (revision of ANSI/IICRC S500-2015)  
  PINS Date: Feb 19, 2016 | Public Review Date: Jan 10, 2020 | Final Action Date: Feb 25, 2021 | Approved

  (new standard)  
  PINS Date: Jan 27, 2012 | Public Review Date: Jun 28, 2019 | Final Action Date: Oct 6, 2015 | Approved

- **ANSI/IICRC S540-2017**, Standard for Trauma and Crime Scene Remediation  
  (new standard)  
  PINS Date: Apr 15, 2016 | Public Review Date: Jun 28, 2019 | Final Action Date: Mar 10, 2017 | Approved

  (new standard)  
  PINS Date: Oct 15, 2010 | Public Review Date: Jan 25, 2013 | Final Action Date: Oct 18, 2013 | Approved

### IKECA (International Kitchen Exhaust Cleaning Association)

  (revision of ANSI/IKECA C10-2016)  
  PINS Date: Feb 21, 2020 | Public Review Date: May 22, 2020 | Final Action Date: Nov 12, 2020 | Approved

  (revision of ANSI/IKECA I10-2015)  
  PINS Date: Jan 18, 2019 | Public Review Date: May 8, 2020 | Final Action Date: Jun 30, 2020 | Approved

  (new standard)  
  PINS Date: Jan 19, 2018 | Public Review Date: Jan 18, 2019 | Final Action Date: Sep 26, 2019 | Approved
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<td>ANSI N14.36-2020, Measurement of Radiation Level and Surface Contamination for Packages and Conveyances (revision of ANSI N14.36-2013)</td>
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<td>PINS Date: Jul 7, 2017</td>
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<td>ANSI N14.5-2014, Leakage Tests on Packages for Shipment (new standard)</td>
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<td>ANSI N15.36-2021, Standard for Methods of Nuclear Material Control - Measurement Control Program - Nondestructive Assay (new standard)</td>
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<td>PINS Date: Jan 15, 2016</td>
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<td>ANSI N15.51-2017, Standard for Methods of Nuclear Material Control; Measurement Control Program - Nuclear Materials Analytical Chemistry Laboratory (revision of ANSI N15.51-2007)</td>
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<td>3000 Lakeside Drive, Suite 105 N, Bannockburn, IL 60015</td>
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<td>ANSI/IPC 9257-2020, Requirements for Electrical Testing of Flexible Printed Electronics (new standard)</td>
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<td>125 Wolf Road, Suite 207, Albany, NY 12205</td>
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<td>ANSI/IREC 14732-2014, General Requirements for the Accreditation of Clean Energy Certificate Programs (new standard)</td>
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### 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)

3252 S. Miami Blvd, Suite 102, Durham, NC  27703 | w: www.isa.org

- ANSI/ISA 100.11a-2011, Wireless Systems for Industrial Automation: Process Control and Related Applications  (new standard)
  - PINS Date: Jul 9, 2010 | Public Review Date: Dec 24, 2010 | Final Action Date: Dec 14, 2011 | Approved

  - PINS Date: Dec 17, 2010 | Public Review Date: Mar 13, 2015 | Final Action Date: Jul 9, 2015 | Approved

- ANSI/ISA 107.01-2013, Industry Standard File Format for Revolution-Based Tip Timing Data  (new standard)
  - PINS Date: Aug 24, 2012 | Public Review Date: Sep 28, 2012 | Final Action Date: Jan 29, 2013 | Approved

- ANSI/ISA 18.2-2016, Management of alarm systems for the process industries  (revision of ANSI/ISA 18.2-2009)
  - PINS Date: Jul 25, 2014 | Public Review Date: Nov 20, 2015 | Final Action Date: Mar 17, 2016 | Approved

- ANSI/ISA 5.1-2022, Instrumentation Symbols and Identification  (new standard)
  - PINS Date: Oct 15, 2021 | Public Review Date: Dec 17, 2021 | Final Action Date: Mar 31, 2022 | Approved

- ANSI/ISA 50.00.01-1975 (R2017), Compatibility of Analog Signals for Electronic Industrial Process Instruments  (reaffirmation of ANSI/ISA 50.00.01-1975 (R2012))
  - Public Review Date: Apr 28, 2017 | Final Action Date: Dec 21, 2017 | Approved

- ANSI/ISA 61511-1-2018, Functional safety - Safety instrumented systems for the process industry sector - Part 1: Framework, definitions, system, hardware and software requirements  (identical national adoption of IEC 61511-1 Ed. 2.0)
  - PINS Date: Apr 15, 2016 | Public Review Date: Oct 27, 2017 | Final Action Date: Jul 11, 2018 | Approved

- ANSI/ISA 61511-2-2018, Functional safety - Safety instrumented systems for the process industry sector - Part 2: Guidelines for the application of IEC-61511-1  (identical national adoption of IEC 61511-2 Ed. 2.0)
  - PINS Date: Sep 16, 2016 | Public Review Date: Oct 27, 2017 | Final Action Date: Jul 11, 2018 | Approved

- 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
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<td>ANSI/ISA 62443-3 (99.03.03)-2013</td>
<td>Security for industrial automation and control systems - Part 3-3: System security requirements and security levels (new standard)</td>
<td>Jul 9, 2010</td>
<td>Feb 8, 2013</td>
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<td>ANSI/ISA 62453-1 (103.00.01)-2018</td>
<td>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)</td>
<td>Mar 18, 2016</td>
<td>Jul 27, 2018</td>
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<td>ANSI/ISA 62453-301 (103.00.03)-2018</td>
<td>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)</td>
<td>Feb 16, 2018</td>
<td>Jul 27, 2018</td>
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<td>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)</td>
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<th>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)</th>
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<th>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)</th>
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<th>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)</th>
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<th>ANSI/ISA 62769-1-2016, Field Device Integration (FDI) - Part 1: Overview (identical national adoption of IEC 62769-1)</th>
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<th>ANSI/ISA 62769-2-2016, Field Device Integration (FDI) - Part 2: FDI Client (identical national adoption of IEC 62769-2)</th>
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<th>ANSI/ISA 62769-3-2016, Field Device Integration (FDI) - Part 3: FDI Server (identical national adoption of IEC 62769-3:2015)</th>
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<th>ANSI/ISA 62769-4-2016, Field Device Integration (FDI) - Part 4: FDI Packages (identical national adoption of IEC 62769-4:2015)</th>
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ISA (Organization) (International Society of Automation)

- ANSI/ISA 62769-5-2016, Field Device Integration (FDI) - Part 5: FDI Information Model  (identical national adoption of IEC 62769-5:2015)
  PINS Date: Oct 2, 2015 | Public Review Date: Nov 20, 2015 | Final Action Date: Mar 21, 2016 | Approved

- ANSI/ISA 62769-6-2016, Field Device Integration (FDI) - Part 6: FDI Technology Mapping  (identical national adoption of IEC 62769-6:2015)
  PINS Date: Oct 2, 2015 | Public Review Date: Nov 20, 2015 | Final Action Date: Mar 21, 2016 | Approved

- ANSI/ISA 62769-7-2016, Field Device Integration (FDI) - Part 7: FDI Communication Devices  (identical national adoption of IEC 62769-7:2015)
  PINS Date: Oct 2, 2015 | Public Review Date: Nov 20, 2015 | Final Action Date: Mar 21, 2016 | Approved

- ANSI/ISA 67.01.01-2019, Transducer and Transmitter Installation for Nuclear Safety Applications  (new standard)
  PINS Date: Jul 13, 2018 | Public Review Date: Jun 14, 2019 | Final Action Date: Nov 11, 2019 | Approved

- ANSI/ISA 67.02.01-2021, Nuclear Safety-Related Instrument-Sensing Line Piping and Tubing Standard for Use in Nuclear Power Plants  (revision of ANSI/ISA 67.02.01-2014)
  PINS Date: Dec 20, 2019 | Public Review Date: Dec 25, 2020 | Final Action Date: Nov 29, 2021 | Approved

- ANSI/ISA 67.04.01-2018, Setpoints for Nuclear Safety-Related Instrumentation  (revision of ANSI/ISA 67.04.01-2006 (R2011))
  PINS Date: Jul 8, 2016 | Public Review Date: Jul 13, 2018 | Final Action Date: Dec 11, 2018 | Approved

  PINS Date: Aug 24, 2012 | Public Review Date: Feb 15, 2013 | Final Action Date: Aug 16, 2013 | Approved

- ANSI/ISA 75.01.01 (60534-2-1 Mod)-2012, Industrial-Process Control Valves - Part 2-1: Flow capacity - Sizing equations for fluid flow under installed conditions  (national adoption of IEC 60534-2-1 with modifications and revision of ANSI/ISA 75.01.01 (IEC 60534-2-1 Mod)-2007)
  PINS Date: Oct 7, 2011 | Public Review Date: Jun 15, 2012 | Final Action Date: Aug 27, 2012 | Approved

- ANSI/ISA 75.02.01-2008 (IEC 60534-2-3 Mod), Control Valve Capacity Test Procedures  (new standard)
  PINS Date: Sep 28, 2007 | Public Review Date: Oct 3, 2008 | Final Action Date: Apr 21, 2009 | Approved

- ANSI/ISA 75.05.01-2019, Control Valve Terminology  (revision of ANSI/ISA 75.05.01-2016)
  PINS Date: Nov 9, 2018 | Public Review Date: Jan 18, 2019 | Final Action Date: May 14, 2019 | Approved

- ANSI/ISA 75.08.01-2016, Face-to-Face Dimensions for Integral Flanged Globe-Style Control Valve Bodies (Classes 125, 150, 250, 300, and 600)  (revision of ANSI/ISA 75.08.01-2002 (R2007))
  PINS Date: Oct 7, 2011 | Public Review Date: Apr 15, 2016 | Final Action Date: Jul 28, 2016 | Approved

- ANSI/ISA 75.08.02-2003 (R2017), Face-to-Face Dimensions for Flanged and Flangeless Rotary Control Valves (Classes 150, 300, and 600)  (reaffirmation of ANSI/ISA 75.08.02-2003 (R2009))
  Public Review Date: Oct 28, 2016 | Final Action Date: Feb 23, 2017 | Approved

- ANSI/ISA 75.08.03-2001 (R2013), Face-to-Face Dimensions for Socket Weld-End and Screwed-End Globe-Style Control Valves (Classes 150, 300, 600, 900, 1500, and 2500)  (reaffirmation of ANSI/ISA 75.08.03-2001 (R2007))
  Public Review Date: Nov 9, 2012 | Final Action Date: Jan 30, 2013 | Approved

- ANSI/ISA 75.08.04-2007 (R2013), Face-to-Face Dimensions for Butt weld-End Globe-Style Control Valves (Class 4500)  (reaffirmation of ANSI/ISA 75.08.04-2007)
  Public Review Date: Nov 9, 2012 | Final Action Date: Jan 30, 2013 | Approved

- ANSI/ISA 75.08.05-2016, Face-to-Face Dimensions for Butt weld-End Globe-Style Control Valves (Classes 150, 300, 600, 900, 1500, and 2500)  (revision of ANSI/ISA 75.08.05-2002 (R2007))
  PINS Date: Oct 7, 2011 | Public Review Date: Apr 15, 2016 | Final Action Date: Jul 28, 2016 | Approved
ISA (Organization) (International Society of Automation)

- ANSI/ISA 75.08.06-2002 (R2013), Face-to-Face Dimensions for Flanged Globe-Style Control Valve Bodies (Classes 900, 1500, and 2500) (reaffirmation of ANSI/ISA 75.08.06-2002 (R2007))
  Public Review Date: Nov 9, 2012 | Final Action Date: Jan 30, 2013 | Approved

- ANSI/ISA 75.08.07-2001 (R2013), Face-to-Face Dimensions for Separable Flanged Globe-Style Control Valves (Classes 150, 300, and 600) (reaffirmation of ANSI/ISA 75.08.07-2001 (R2007))
  Public Review Date: Nov 9, 2012 | Final Action Date: Jan 30, 2013 | Approved

- ANSI/ISA 75.08.08-2015, Face-to-Centerline Dimensions for Flanged Globe-Style Angle Control Valve Bodies (Classes 150, 300, and 600) (revision of ANSI/ISA 75.08.08-1999 (R2007))
  PINS Date: Oct 7, 2011 | Public Review Date: Oct 16, 2015 | Final Action Date: Dec 30, 2015 | Approved

- ANSI/ISA 75.08.09-2016, Face-to-Face Dimensions for Sliding Stem Flangeless Control Valves (Classes 150, 300, and 600) (revision of ANSI/ISA 75.08.09-2005 (R2010))
  PINS Date: Feb 27, 2015 | Public Review Date: Nov 20, 2015 | Final Action Date: Mar 11, 2016 | Approved

- ANSI/ISA 75.10.01-2013, General Requirements for Clamp or Pinch Valves (revision of ANSI/ISA 75.10.01-2008)
  Public Review Date: Oct 4, 2013 | Final Action Date: Dec 20, 2013 | Approved

- ANSI/ISA 75.10.02-2014, Installed Face-to-Face Dimensions for Dual Pinch Flanged Clamp or Pinch Valves (Classes 125 and 150) (revision of ANSI/ISA 75.10.02-2008)
  PINS Date: Feb 3, 2006 | Public Review Date: Nov 27, 2009 | Final Action Date: Jun 16, 2010 | Approved

- ANSI/ISA 75.11.01-2013, Inherent Flow Characteristic and Rangeability of Control Valves (revision of ANSI/ISA 75.11.01-1985 (R2002))
  PINS Date: Aug 8, 2008 | Public Review Date: Nov 9, 2012 | Final Action Date: Jan 30, 2013 | Approved

- ANSI/ISA 75.13.01-2013, Method of Evaluating the Performance of Positioners with Analog Input Signals and Pneumatic Output (revision of ANSI/ISA 75.13.01-2007)
  PINS Date: Oct 7, 2011 | Public Review Date: Sep 6, 2013 | Final Action Date: Dec 2, 2013 | Approved

- ANSI/ISA 75.19.01-2013, Hydrostatic Testing of Control Valves (revision of ANSI/ISA 75.19.01-2007)
  PINS Date: Oct 7, 2011 | Public Review Date: May 24, 2013 | Final Action Date: Aug 6, 2013 | Approved

- ANSI/ISA 75.25.01-2001 (R2010), Test Procedure for Control Valve Response (reaffirmation of ANSI/ISA 75.25.01-2001)
  PINS Date: Mar 14, 2014 | Public Review Date: Mar 22, 2019 | Final Action Date: Jul 12, 2022 | Approved

- ANSI/ISA 77.14.01-2022, Fossil Fuel Power Plant Steam Turbine Controls (revision of ANSI/ISA 77.14.01-2010)
  PINS Date: Mar 14, 2014 | Public Review Date: May 22, 2015 | Final Action Date: Oct 27, 2015 | Approved

- ANSI/ISA 77.41.01-2015, Fossil Fuel Power Plant Boiler Combustion Controls (revision of ANSI/ISA 77.41.01-2010)
  PINS Date: Mar 14, 2014 | Public Review Date: May 22, 2015 | Final Action Date: Oct 27, 2015 | Approved

- ANSI/ISA 77.42.01-2019, Fossil Fuel Power Plant Feedwater Control System (revision of ANSI/ISA 77.42.01-1999 (R2011))
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<td>ANSI/ISA 95.00.02-2018</td>
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<td>ANSI/ISA 95.00.03 (IEC 62264-3 Modified)-2013</td>
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<td>ANSI/ISA 95.00.04-2018</td>
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ISA (Organization) (International Society of Automation)

- ANSI/ISA 96.02.01-2016, Guidelines for the Specification of Electric Valve Actuators (revision of ANSI/ISA 96.02.01-2008)
  PINS Date: Aug 3, 2012 | Public Review Date: Dec 25, 2015 | Final Action Date: Mar 17, 2016 | Approved

- ANSI/ISA 96.03.01-2019, Guidelines for the Specification of Heavy Duty Pneumatically Powered Quarter Turn Scotch Yoke Valve Actuators (revision of ANSI/ISA 96.03.01-2012)
  PINS Date: Apr 21, 2017 | Public Review Date: Jul 13, 2018 | Final Action Date: Feb 3, 2020 | Approved

- ANSI/ISA 96.03.02-2015, Guidelines for the Specification of Pneumatic Rack and Pinion Actuators (new standard)
  PINS Date: May 18, 2012 | Public Review Date: May 15, 2015 | Final Action Date: Jul 28, 2015 | Approved

- ANSI/ISA 96.03.03-2013, Guidelines for the Specification of Pneumatic Vane Type Valve Actuators (new standard)
  PINS Date: May 18, 2012 | Public Review Date: Dec 28, 2012 | Final Action Date: Mar 7, 2013 | Approved

- ANSI/ISA 96.03.04-2019, Guidelines for the Specification of Linear Piston Pneumatic Actuators (new standard)
  PINS Date: Nov 18, 2016 | Public Review Date: Jul 19, 2019 | Final Action Date: Apr 27, 2020 | Approved

- ANSI/ISA 96.06.01-2014, Guidelines for the Specification of Self Contained Electro-Hydraulic Valve Actuators (new standard)
  PINS Date: May 18, 2012 | Public Review Date: May 2, 2014 | Final Action Date: Sep 10, 2014 | Approved

- ANSI/ISA 96.08.01-2017, Guidelines for the Specification of Linear and Rotary Gas Over Oil Valve Actuators (new standard)
  PINS Date: May 13, 2016 | Public Review Date: Nov 11, 2016 | Final Action Date: Feb 23, 2017 | Approved

ISANTA (International Staple, Nail and Tool Association)

- ANSI SNT-101-2015, Safety Requirements for Portable, Compressed-Air-Actuated Fastener Driving Tools (new standard)
  PINS Date: Jul 10, 2009 | Public Review Date: Aug 31, 2012 | Final Action Date: Apr 7, 2015 | Approved

ISDI (ASC MH2) (Industrial Steel Drum Institute)

- ANSIASC MH2-2018, Standard for Materials Handling (Containers) - Steel Drums and Pails (new standard)
  PINS Date: Mar 31, 2017 | Public Review Date: Mar 16, 2018 | Final Action Date: Jan 15, 2019 | Approved

ISEA (International Safety Equipment Association)

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

- ANSI/ISEA 103-2010, Classification and Performance Requirements for Chemical Protective Clothing (new standard)
  PINS Date: May 8, 1998 | Public Review Date: Jun 4, 2010 | Final Action Date: Sep 29, 2010 | 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
### ISEA (International Safety Equipment Association)

- **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**

  - PINS Date: Oct 13, 2017 | Public Review Date: Nov 2, 2018 | Final Action Date: Feb 19, 2019 | **Approved**

- **ANSI/ISEA 201-2019**, Insulation and Wash Durability Classification of Apparel Used in Cold Work Environments  (revision of ANSI/ISEA 201-2012)
  - PINS Date: Jan 30, 2015 | Public Review Date: Jun 7, 2019 | Final Action Date: Aug 19, 2019 | **Approved**

  - PINS Date: Nov 2, 2007 | Public Review Date: Jan 26, 2018 | Final Action Date: Apr 24, 2018 | **Approved**

- **ANSI/ISEA Z308.1-2021**, Minimum Requirements for Workplace First Aid Kits and Supplies  (revision of ANSI/ISEA Z308.1-2015)
  - PINS Date: Dec 21, 2018 | Public Review Date: Jun 18, 2021 | Final Action Date: Apr 15, 2022 | **Approved**

  - Public Review Date: Apr 10, 2020 | Final Action Date: Oct 28, 2020 | **Approved**

- **ANSI/ISEA Z358.1-2021 (R2021)**, Industrial Head Protection  (reaffirmation of ANSI/ISEA Z358.1-2014)
  - PINS Date: Jan 22, 2016 | Public Review Date: Feb 15, 2019 | Final Action Date: Apr 26, 2019 | **Approved**

### ISEA (ASC Z87) (International Safety Equipment Association)

- ISEA 1101 Wilson Blvd, Suite 1425, Arlington, VA  22209 | w: www.safetyequipment.org

  - PINS Date: Jun 3, 2016 | Public Review Date: Aug 16, 2019 | Final Action Date: Mar 11, 2020 | **Approved**

- **ANSI ISEA Z87.62-2021**, Occupational and Educational Eye and Face Protection Devices for Preventing Exposures Caused by Sprays or Spurts of Blood or Body Fluids  (new standard)
  - PINS Date: May 12, 2017 | Public Review Date: Mar 26, 2021 | Final Action Date: Jul 6, 2021 | **Approved**

### ISTA (International Safe Transit Association)

- ISTA 1400 Abbot Road, Suite 160, East Lansing, MI  48823 | w: www.ista.org

  - PINS Date: May 27, 2016 | Public Review Date: Sep 23, 2016 | Final Action Date: Aug 16, 2017 | **Approved**

### ITI (INCITS) (InterNational Committee for Information Technology Standards)

- ITI 700 K Street NW, Suite 600, Washington, DC  20001 | w: www.incits.org

- **INCITS 100-1989 [S2020]**, Interface Between DTE & DCE for Packet Mode Operation with Packet Switch Data Communications Networks (CCITT X.25)  (stabilized maintenance of INCITS 100-1989 (R2005))
  - Public Review Date: Feb 12, 2010 | Final Action Date: Jul 7, 2010 | **Approved**

- **INCITS 100a-1991 [S2020]**, Information Systems - Interface between Data Terminal Equipment (DTE) and Data Circuit-Terminating Equipment (DCE) for Operation with Packet-Switched Data Communications Networks (PSDN), or between Two DTEs, by Dedicated Circuit Addendum  (stabilized maintenance of INCITS 100a-1991 (R2005))
  - Public Review Date: Feb 12, 2010 | Final Action Date: Jul 7, 2010 | **Approved**
### ITI (INCITS) (InterNational Committee for Information Technology Standards)

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

  Public Review Date: Jan 30, 2009 | Final Action Date: Apr 3, 2009 | Approved

  Public Review Date: Dec 25, 2009 | Final Action Date: Mar 24, 2010 | Approved

- INCITS 125-1985 [S2021], Two-Sided, Double-Density, Unformatted 5.25 Inch (130 mm) 48-tpi (1.9 tpmm) Flexible Disk Cartridge for 7958 BPR Use (stabilized maintenance of INCITS 125-1985 (R2006))
  Public Review Date: Aug 26, 2011 | Final Action Date: Dec 29, 2011 | Approved

- INCITS 126-1986 [S2017], One- and Two-Sided Double Density Unformatted 5.25 Inch (130 mm) 96 Tracks per Inch (3.8 Tracks per mm) Flexible Disk Cartridge - General, Physical, and Magnetic Requirements for 7958 BPR Use (stabilized maintenance of INCITS 126-1986 (R2002))
  Public Review Date: Apr 6, 2007 | Final Action Date: Jul 24, 2007 | Approved

- INCITS 127-1987 [S2017], Information Systems - Unrecorded Magnetic Tape Cartridge for Information Interchange, 0.250 Inch (6.30 mm), 6400-10 000 ftpi (252-394 ftppm) (stabilized maintenance of INCITS 127-1987 (R2002))
  Public Review Date: Apr 6, 2007 | Final Action Date: Jul 24, 2007 | Approved

  Public Review Date: Feb 1, 2013 | Final Action Date: May 6, 2013 | Approved

- INCITS 136-1986 [S2017], Serial Recorded Magnetic Tape Cartridge for Information Interchange, Four and Nine Track, 0.250 Inch (6.30 mm), 8000 bpi (315 bpmm), 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-txmm (135-tpi) Flexible Disk Cartridge for 7958 BPR Use - General, Physical, and Magnetic Requirements (stabilized maintenance of INCITS 137-1986 (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
ITI (INCITS) (InterNational Committee for Information Technology Standards)

- INCITS 149-1986 [R2022], Financial Transaction Card Formsets - Location of Imprinted Information (reaffirmation of INCITS 149-1986 [R2017])
  Public Review Date: May 13, 2022 | Final Action Date: Aug 29, 2022 | Approved

  Public Review Date: Apr 6, 2007 | Final Action Date: Jul 23, 2007 | Approved

- INCITS 151-1987 [S2017], Bond Papers and Index Bristsls - 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

- 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 tpmm), Flexible Disk Cartridge for 13 262 ftpr 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 ln), 252 to 394 ftpmm (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
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<td>INCITS 181-1990</td>
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<td>189-1991</td>
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<td>199-1991</td>
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<td>204-1992</td>
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<td>INCITS 235-1995 [S2020], Unrecorded Magnetic Tape Cartridge for Information Interchange - 0.25 (6.30 mm), 10000 -12500 fpi, (394 - 492 fpm) Coercivity 550 oersteds (44000 amperes/meter) (Types 6150, 6250, 6037) (stabilized maintenance of INCITS 235-1995 (R2005)) Public Review Date: Feb 12, 2010</td>
<td>Final Action Date: Jul 7, 2010</td>
<td>Approved</td>
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<td>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</td>
<td>Final Action Date: Dec 17, 2008</td>
<td>Approved</td>
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<td>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</td>
<td>Final Action Date: Dec 28, 2011</td>
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<td>INCITS 244-1995 [S2020], Information Technology - Test Methods for Media Characteristics - 90 mm Read Only and Rewritable M.O. Optical Disk Data Storage Cartridges with Continuous Composite Servo (CCS) (stabilized maintenance of INCITS 244-1995 (R2005)) Public Review Date: Oct 16, 2009</td>
<td>Final Action Date: Jan 4, 2010</td>
<td>Approved</td>
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- **INCITS 246-1994** [S2019], Information Processing Systems - Test Methods for Media Characteristics of 90mm Read Only and Rewritable M.O. Optical Disk Data Storage Cartridge with Discrete Block Format (DBF) (stabilized maintenance of INCITS 246-1994 (R2004))
  - 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 ftpi (394 579 ftpmm), Coercivity 550 oersteds (44 000 amperes/meter), (Types 2000, 2060, 2080, 2120) (stabilized maintenance of INCITS 249-1995 (R2005))
  - Public Review Date: Feb 12, 2010 | Final Action Date: Jul 7, 2010 | Approved

- **INCITS 250-1996** [S2021], Recorded Magnetic Tape Mini-Cartridge for Information Interchange, 0.25 in (630 mm) 12 and 24 Track, 10000 bpi (394 bpmm) GCR (stabilized maintenance of INCITS 250-1996 (R2006))
  - Public Review Date: Aug 26, 2011 | Final Action Date: Dec 28, 2011 | Approved

- **INCITS 251-1995** [S2020], Unrecorded Magnetic Tape Cartridge for Information Interchange, 0.25 in (6.35 mm), 20 000 ftpi (787 ftpmm), Coercivity 550 oersteds (44 000 amperes/meter), (Types 6320, 6525, 6080, 6081) (stabilized maintenance of INCITS 251-1995 (R2005))
  - Public Review Date: Feb 12, 2010 | Final Action Date: Jul 7, 2010 | Approved

  - Public Review Date: Aug 26, 2011 | Final Action Date: Dec 28, 2011 | Approved

- **INCITS 256-2007** [S2017], Radio Frequency Identification (RFID) (stabilized maintenance of INCITS 256:2007 (R2012))
  - Public Review Date: Jun 9, 2017 | Final Action Date: Dec 11, 2017 | Approved

- **INCITS 257-1997** [S2012], Information Technology - FDDI Station Management-2 Common Services (SMT-2-CS) (stabilized maintenance of INCITS 257-1997 (R2007))
  - Public Review Date: Jul 6, 2012 | Final Action Date: Sep 5, 2012 | Approved

- **INCITS 258-1997** [S2012], Fibre Distributed Data Interface (FDDI) - Station Management-2 - Isochronous Services (SMT-2-IS) (stabilized maintenance of INCITS 258-1997 (R2007))
  - Public Review Date: Jul 6, 2012 | Final Action Date: Sep 5, 2012 | Approved

- **INCITS 259-1997** [S2012], Information Technology - FDDI Station Management-2 Packet Services (SMT-2-PS) (stabilized maintenance of INCITS 259-1997 (R2007))
  - Public Review Date: Jul 6, 2012 | Final Action Date: Sep 5, 2012 | Approved

- **INCITS 261-1996** [S2021], Extended Magnetic Tape Format for Information Interchange 36-track, Parallel Serpentine, 12.65 mm (0.50 in), 1491 cpm (37871 CPI) Group-Coded Recording (stabilized maintenance of INCITS 261-1996 (R2006))
  - Public Review Date: Aug 26, 2011 | Final Action Date: Dec 28, 2011 | Approved

- **INCITS 262-1995** [S2020], Protocol Implementation Conformance Statement Proforma for FDDI (FDDI CT-PICS) (stabilized maintenance of INCITS 262-1995 (R2005))
  - Public Review Date: Feb 12, 2010 | Final Action Date: Jul 7, 2010 | Approved

- **INCITS 263-1995** [S2020], Fiber Distributed Data interface (FDDI) Twisted Pair - Physical Medium Dependent (TP-PMD) (stabilized maintenance of INCITS 263-1995 (R2005))
  - Public Review Date: Feb 12, 2010 | Final Action Date: Jul 7, 2010 | Approved
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- INCITS 264-1996 [S2021], Unrecorded Helical-Scan Digital Computer Tape Cartridge for Information Interchange, 19 mm (0.748 in) Type D-1 (stabilized maintenance of INCITS 264-1996 (R2006))
  Public Review Date: Aug 26, 2011 | Final Action Date: Dec 28, 2011 | Approved

- INCITS 265-1995 [S2021], Unrecorded Magnetic Tape Cartridge for Information Interchange, 36-Track, Parallel Serpentine, Extended Length, 12.57 mm (0.495 in), 1944 ftpmm (49 378 ftpi), Group-Coded Recording (stabilized maintenance of INCITS 265-1995 (R2006))
  Public Review Date: Aug 26, 2011 | Final Action Date: Dec 28, 2011 | Approved

- INCITS 266-1996 [S2021], Magnetic Tape Cartridge for Information Interchange, .50 in (12.65 mm), Serial Serpentine, 112-Track, 42 500 bpi (1673 bpmm) (DLT2 Format) (stabilized maintenance of INCITS 266-1996 (R2006))
  Public Review Date: Aug 26, 2011 | Final Action Date: Dec 28, 2011 | Approved

- INCITS 267-1996 [S2021], Helical-Scan Digital Computer Tape Cartridge, 12.65 mm (0.498 in) for Information Interchange (stabilized maintenance of INCITS 267-1996 (R2006))
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  Public Review Date: Sep 2, 2011 | Final Action Date: Dec 29, 2011 | Approved

  Public Review Date: Feb 22, 2008 | Final Action Date: Jun 19, 2008 | Approved

- INCITS 273-1997 [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

  Public Review Date: Jun 27, 2008 | Final Action Date: Oct 29, 2008 | Approved

- 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

- 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 bpmm), 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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<td>INCITS 312:1998 [S2013]</td>
<td>Magnetic Tape Cartridge 0.50 in (12.65 mm), Serial Serpentine, 112-Track, 81 600 bpi (3213 bpmm), DLT4 Format</td>
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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])  
Public Review Date: Aug 28, 2015 | Final Action Date: Dec 22, 2015 | Approved |
| INCITS 344-2001 [S2021], Information Technology - 12.65 mm wide Magnetic Tape Format for Information Interchange - Helical Scan Recording - Recorded Instrumentation Format (stabilized maintenance of INCITS 344-2001 (R2006))  
Public Review Date: Aug 26, 2011 | Final Action Date: Dec 28, 2011 | Approved |
| INCITS 345-2001 [S2021], Magnetic Tape Cartridge for Information Interchange, 0.5 in (12.65 mm) Serial Serpentine, 208-Track, 98 250 BPI (3868 BPMM), DLT 6 Format (stabilized maintenance of INCITS 345-2001 (R2006))  
Public Review Date: Aug 26, 2011 | Final Action Date: Dec 28, 2011 | Approved |
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Public Review Date: Jun 1, 2012 | Final Action Date: Aug 14, 2012 | Approved |
| INCITS 357-2002 [S2012], Information technology - Fibre Channel Virtual Interface Architecture Mapping Protocol (FC-VI) (stabilized maintenance of INCITS 357-2002 (R2007))  
Public Review Date: Jun 1, 2012 | Final Action Date: Aug 14, 2012 | Approved |
Public Review Date: Jun 9, 2017 | Final Action Date: Dec 11, 2017 | Approved |
Public Review Date: Jun 9, 2017 | Final Action Date: Dec 11, 2017 | Approved |
| INCITS 359-2012 [R2022], Information technology - Role Based Access Control (reaffirmation of INCITS 359-2012 [R2017])  
Public Review Date: May 13, 2022 | Final Action Date: Aug 29, 2022 | Approved |
| INCITS 360-2002 [S2017], Information Technology - SCSI Multimedia Commands - 3 (MMC-3) (stabilized maintenance of INCITS 360:2002 [R2012])  
Public Review Date: Jun 9, 2017 | Final Action Date: Dec 29, 2017 | Approved |
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<p>| INCITS 368-2003 [S2018], Information technology - SCSI Passive Interconnect Performance (PIP)  (stabilized maintenance of INCITS 368:2003 [R2013]) | Public Review Date: Jul 27, 2018 | Final Action Date: Dec 31, 2018 | Approved |
| INCITS 375-2004 [R2018], Information technology - Serial Bus Protocol 3 (SBP-3)  (reaffirmation of INCITS 375:2004 [R2013]) | Public Review Date: Jul 27, 2018 | Final Action Date: Dec 31, 2018 | Approved |
| INCITS 38-2009 [R2019], Information Technology - Codes for the Identification of the States and Equivalent Areas within the United States, Puerto Rico, and the Insular Areas  (reaffirmation of INCITS 38-2009 [R2014]) | Public Review Date: Aug 2, 2019 | Final Action Date: Nov 1, 2019 | Approved |</p>
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| INCITS 381-2009 [S2019], Information Technology - Finger Image Based Data Interchange Format (stabilized maintenance of [INCITS 381-2009 [R2014]])  
  Public Review Date: Aug 2, 2019 | Final Action Date: Nov 4, 2019 | Approved |
  Public Review Date: Apr 9, 2021 | Final Action Date: Aug 27, 2021 | Approved |
| INCITS 382-2004 [R2018], Information technology - SCSI Media Changer Command Set, version 2 (SMC-2) (reaffirmation of INCITS 382:2004 [R2013])  
  Public Review Date: Jul 27, 2018 | Final Action Date: Dec 31, 2018 | Approved |
| INCITS 383-2008 [R2018], Information Technology - Biometric Profile - Interoperability and Data Interchange - Biometrics Based Verification and Identification of Transportation Workers (reaffirmation of INCITS 383:2008 [R2013])  
  Public Review Date: Jul 27, 2018 | Final Action Date: Dec 31, 2018 | Approved |
| INCITS 385-2004 [S2019], Information technology - Face Recognition Format for Data Interchange (stabilized maintenance of INCITS 385-2004 [R2014])  
  Public Review Date: Aug 2, 2019 | Final Action Date: Nov 4, 2019 | Approved |
  Public Review Date: Jun 13, 2014 | Final Action Date: Dec 5, 2014 | Approved |
| INCITS 39-1986 [S2017], Recorded Magnetic Tape for Information Interchange (1600 CPI, PE) (stabilized maintenance of INCITS 39-1986 (R2002))  
  Public Review Date: Apr 6, 2007 | Final Action Date: Jul 12, 2007 | Approved |
  Public Review Date: Jul 27, 2018 | Final Action Date: Dec 31, 2018 | Approved |
| INCITS 399-2004 [S2014], Information technology - Fibre Channel Switch Application Programming Interface (FC-SWAPI) (stabilized maintenance of INCITS 399:2004 [R2009])  
  Public Review Date: Jun 13, 2014 | Final Action Date: Dec 5, 2014 | Approved |
| INCITS 4-1986 [R2017], Information Systems - Coded Character Sets - 7-Bit Standard Code for Information Interchange (7-Bit ASCII) (reaffirmation of INCITS 4:1986 [R2012])  
  Public Review Date: Jun 9, 2017 | Final Action Date: Nov 2, 2017 | Approved |
| INCITS 40-1993 [S2018], Unrecorded Magnetic Tape for Information Interchange (9-Track, 800 CPI, NRZI; 1600 CPI, PE; and 6250 CPI, GCR) (stabilized maintenance of INCITS 40-1993 (R2003))  
  Public Review Date: Feb 22, 2008 | Final Action Date: Jun 19, 2008 | Approved |
| INCITS 401-2005 [S2015], Information technology - SCSI Multimedia Commands - 4 (MMC-4) (stabilized maintenance of INCITS 401:2005 [R2010])  
  Public Review Date: Aug 28, 2015 | Final Action Date: Dec 22, 2015 | Approved |
| INCITS 403-2005 [R2020], Information technology — Automation/Drive Interface - Commands (ADC) (reaffirmation of INCITS 403-2005 [R2015])  
  Public Review Date: Jun 26, 2020 | Final Action Date: Oct 8, 2020 | Approved |
| INCITS 404-2006 [S2016], Information technology - Fibre Channel Physical Interfaces - 2 (FC-PI-2) (stabilized maintenance of INCITS 404:2006 [R2011])  
  Public Review Date: Aug 12, 2016 | Final Action Date: Nov 3, 2016 | Approved |
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- **INCITS 405-2005 [S2015]**, Information technology - SCSI Block Commands - 2 (SBC-2) (stabilized maintenance of INCITS 405:2005 [R2010])
  - Public Review Date: Aug 28, 2015 | Final Action Date: Dec 22, 2015 | Approved

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- **INCITS 409.4-2006 [R2021]**, Information technology - Biometric Performance Testing and Reporting - Part 4: Operational Testing Methodologies (reaffirmation of INCITS 409.4-2006 [R2016])
  - Public Review Date: Apr 9, 2021 | Final Action Date: Aug 27, 2021 | Approved

- **INCITS 409.5-2011 [R2021]**, Information Technology - Biometric Performance Testing and Reporting - Part 5: Framework for Testing and Evaluation of Biometric System(s) for Access Control (reaffirmation of INCITS 409.5-2011 [R2016])
  - Public Review Date: Apr 9, 2021 | Final Action Date: Aug 27, 2021 | Approved

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- **INCITS 411-2007 [S2017]**, Information technology - iSCSI Management API, Version 1.1.6 (stabilized maintenance of INCITS 411:2007 [R2012])
  - Public Review Date: Jun 9, 2017 | Final Action Date: Dec 29, 2017 | Approved

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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])
  - Public Review Date: Apr 9, 2021 | Final Action Date: Aug 30, 2021 | Approved

- **INCITS 419-2008 [S2018]**, Information technology - Fibre Channel Backbone (FC-BB-4) (stabilized maintenance of INCITS 419:2008 [R2013])
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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 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])
  
  Public Review Date: Apr 6, 2007 | Final Action Date: Jul 12, 2007 | Approved

- **INCITS 450-2009 [S2019]**, Information technology - Fibre Channel - Physical Interface - 4 (FC-PI-4) (stabilized maintenance of INCITS 450-2009 [R2014])
  
  Public Review Date: Aug 2, 2019 | Final Action Date: Nov 4, 2019 | Approved

  
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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])
  Public Review Date: Jun 26, 2020 | Final Action Date: Oct 15, 2020 | Approved

- INCITS 458-2011 [R2021], Information technology - SCSI Object-Based Storage Device Commands-2 (OSD-2) (reaffirmation of INCITS 458-2011 [R2016])
  Public Review Date: Apr 9, 2021 | Final Action Date: Aug 27, 2021 | Approved

- INCITS 459-2011 [R2021], Information Technology - Requirements for the Implementation and Interoperability of Role Based Access Control (reaffirmation of INCITS 459-2011 [R2016])
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- INCITS 460-2011 [S2021], Information Technology - Fibre Channel - Physical Interface - 3 (FC-PI-3) (stabilized maintenance of INCITS 460-2011 [R2016])
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- INCITS 461-2010 [S2020], Information technology - Fibre Channel - Switch Fabric - 5 (FC-SW-5) (stabilized maintenance of INCITS 461-2010 [R2015])
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- INCITS 462-2010 [S2020], Information Technology - Fibre Channel - Backbone - 5 (FC-BB-5) (stabilized maintenance of INCITS 462-2010 [R2015])
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- INCITS 463-2010 [S2020], Information Technology - Fibre Channel - Generic Services - 6 (FC-GS-6) (stabilized maintenance of INCITS 463-2010 [R2015])
  Public Review Date: Jun 26, 2020 | Final Action Date: Oct 30, 2020 | Approved

- INCITS 464-2010 [S2020], Information Technology - Information Management - Extensible Access Method (XAM) (stabilized maintenance of INCITS 464-2010 [R2015])
  Public Review Date: Jun 26, 2020 | Final Action Date: Oct 30, 2020 | Approved

- INCITS 465-2010 [R2020], Information technology - SCSI/ATA Translation - 2 (SAT-2) (reaffirmation of INCITS 465-2010 [R2015])
  Public Review Date: Jun 26, 2020 | Final Action Date: Oct 15, 2020 | Approved

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| INCITS 467-2011 [R2021], Information technology - SCSI Stream Commands - 3 (SSC-3) (reaffirmation of INCITS 467-2011 [R2016]) | Public Review Date: Apr 9, 2021 | Final Action Date: Aug 27, 2021 | Approved |
| INCITS 468-2010 [R2020], Information technology - Multi-media Command Set - 6 (MMC-6) (reaffirmation of INCITS 468-2010 [R2015]) | Public Review Date: Jun 26, 2020 | Final Action Date: Oct 15, 2020 | Approved |
| INCITS 470-2011 [S2021], Information technology - Fibre Channel - Framing and Signaling - 3 (FC-FS-3) (stabilized maintenance of INCITS 470-2011 [R2016]) | Public Review Date: Apr 9, 2021 | Final Action Date: Aug 30, 2021 | Approved |
| INCITS 475-2011 [S2021], Information Technology - Fibre Channel - Inter-Fabric Routing (FC-IFR) (stabilized maintenance of INCITS 475-2011 [R2016]) | Public Review Date: Apr 9, 2021 | Final Action Date: Aug 30, 2021 | Approved |
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- INCITS 504-1-2013/AM1-2016 [R2021], Information technology - Generic Identity Command Set Part 1: Card Application Command Set - Amendment 1 (reaffirmation of INCITS 504-1-2013/AM1-2016)
  Public Review Date: Apr 9, 2021 | Final Action Date: Aug 27, 2021 | Approved

- INCITS 504-1:2013 [R2018], Information technology – Generic Identity Command Set –(GICS) - Part 1: Card Application Command Set (reaffirmation of INCITS 504-1-2013)
  Public Review Date: Jul 27, 2018 | Final Action Date: Dec 31, 2018 | Approved

- INCITS 504-2-2013 [R2018], Information technology - Generic Identity Command Set (GICS) - Part 2: Card Administrative Command Set (reaffirmation of INCITS 504:2:2013)
  Public Review Date: Jul 27, 2018 | Final Action Date: Dec 31, 2018 | Approved

- INCITS 504-2-2013/AM 1-2016 [R2021], Information Technology - Generic Identity Command Set - Part 2: Card Administrative Command Set - Amendment 1 (reaffirmation of INCITS 504-2-2013/AM 1-2016)
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  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

- 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

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- INCITS 506-2021, Information technology - SBC-4 (SCSI Block Commands - 4) (new standard)
  PINS Date: Oct 26, 2012 | Public Review Date: Nov 13, 2020 | Final Action Date: Jul 6, 2021 | Approved

- INCITS 507-2016 [R2021], Information technology - PCIe® architecture Queuing Interface - 2(PQI-2) (reaffirmation of INCITS 507-2016)
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- INCITS 509-2014 [R2019], Information Technology - Fibre Channel - Backbone - 6 (FC-BB-6) (reaffirmation of INCITS 509-2014)
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- INCITS 510-2017, Information technology - Fibre Channel – Generic Services – 7 (FC-GS-7) (new standard)
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- INCITS 511-2016 [R2021], Information Technology - Fibre Channel - Switch Fabric - 6 (FC-SW-6) (reaffirmation of INCITS 511-2016)
  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)
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- INCITS 530-2013 [R2018], Information Technology - Architecture for Managed Computing Systems (reaffirmation of INCITS 530-2013)
  Public Review Date: Jul 27, 2018 | Final Action Date: Dec 31, 2018 | Approved

- INCITS 531-2013 [R2018], Information Technology - Systems Management Discovery for Managed Computer Systems (reaffirmation of INCITS 531-2013)
  Public Review Date: Jul 27, 2018 | Final Action Date: Dec 31, 2018 | Approved

- INCITS 532:2014 [R2019], Information Technology - Vocabulary Description and Management (reaffirmation of INCITS 532-2014)
  Public Review Date: Aug 2, 2019 | Final Action Date: Oct 29, 2019 | Approved

- INCITS 533-2016 [R2021], Information Technology - Fibre Channel - Physical Interface - 6P (FC-PI-6P) (reaffirmation of INCITS 533-2016)
  Public Review Date: Apr 9, 2021 | Final Action Date: Aug 30, 2021 | Approved

- INCITS 534-2019, Information technology - Serial Attached SCSI - 4 (SAS-4) (new standard)
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- INCITS 536-2016 [R2021], Information technology – Zoned Block Commands (ZBC) (reaffirmation of INCITS 536-2016)
  Public Review Date: Apr 9, 2021 | Final Action Date: Aug 27, 2021 | Approved

- INCITS 536-2016/AM 1-2019, Information technology - Zoned Block Commands - Amendment 1 (ZBC-AM 1) (addenda to INCITS 536-2016)
  PINS Date: Jun 8, 2018 | Public Review Date: Aug 31, 2018 | Final Action Date: Feb 13, 2019 | Approved

- INCITS 537-2016 [R2021], Information technology Zoned Device ATA Command Set (ZAC) (reaffirmation of INCITS 537-2016)
  Public Review Date: Apr 9, 2021 | Final Action Date: Aug 9, 2021 | Approved

- INCITS 537-2016/AM 1-2019, Information technology - Zoned-device ATA Commands Amendment 1 (ZAC-AM 1) (addenda to INCITS 537-2016)
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- INCITS 539-2016 [R2021], Information Technology - Management Of Security Credentials (reaffirmation of INCITS 539-2016)
  Public Review Date: Apr 9, 2021 | Final Action Date: Aug 27, 2021 | Approved

- INCITS 54-1986 [S2017], Recorded Magnetic Tape for Information Interchange (6250 CPI, Group Coded Recording) (stabilized maintenance of INCITS 54-1986 (R2002))
  Public Review Date: Apr 6, 2007 | Final Action Date: Jul 24, 2007 | Approved

- INCITS 540-2018, Information technology - Fibre Channel - Non-Volatile Memory Express (NVMe) (new standard)
  PINS Date: Jun 6, 2014 | Public Review Date: Nov 3, 2017 | Final Action Date: Apr 5, 2018 | Approved

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- INCITS/ISO 19137:2007 [R2017], Geographic information - Core profile of the spatial schema (reaffirm a national adoption INCITS/ISO 19137:2007 [R2012])
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- INCITS/ISO 3275:1974 [R2089], Information processing -- Implementation of the 7-bit coded character set and its 7-bit and 8-bit extensions on 3,81 mm magnetic cassette for data interchange (reaffirm a national adoption INCITS/ISO 3275:1974 [R2013])
Public Review Date: Jul 27, 2018 | Final Action Date: Dec 31, 2018 | Approved

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- INCITS/ISO 3562:1976 [S2020], Information processing - Interchangeable magnetic single-disk cartridge (top loaded) - Physical and magnetic characteristics (stabilized maintenance of INCITS/ISO 3562:1976 [R2015])
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- INCITS/ISO 5654-1:1984 [S2020], Information processing - Data interchange on 200 mm (8 in) flexible disk cartridges using two-frequency recording at 13 262 fptrad, 1.9 tpmm (48 tpi), on one side - Part 1: Dimensional, physical and magnetic characteristics (stabilized maintenance of INCITS/ISO 5654-1:1984 [R2015])
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- INCITS/ISO 6596-1:1985 [S2020], Information processing - Data interchange on 130 mm (5.25 in) flexible disk cartridges using two-frequency recording at 7 958 fptrad, 1.9 tpmm (48 tpi), on one side - Part 1: Dimensional, physical & magnetic characteristics (stabilized maintenance of INCITS/ISO 6596-1:1985 [R2015])
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- INCITS/ISO 7065-1:1985 [S2020], Information processing-Data interchange on 200 mm (8 in) flexible disk cartridges using modified frequency modulation recording,13 262 fptrad, 1.9 tpmm (48 tpi), both sides-Part 1: Dimensional, physical & magnetic characteristics (stabilized maintenance of INCITS/ISO 7065-1:1985 [R2015])
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- INCITS/ISO 7487-2-1985 [S2012], Information Processing - Data Interchange on 130 mm (5.25 in) Flexible Disk Cartridges Using Modified Frequency Modulation Recording at 7 958 fptrad, 1.9 tpmm (48 tpi), on Both Sides - Part 2: Track Format A (stabilized maintenance of INCITS/ISO 7487-2-1985 (R2007))
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<td>Information technology - Coded representation of picture and audio information - Progressive bi-level image compression</td>
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<td>INCITS/ISO/IEC 11557:1992</td>
<td>Information Technology - 3.81 mm Wide Magnetic Tape Cartridge for Information Interchange - Helical Scan Recording - DDS-DC Format Using 60 m and 90 m Length Tapes</td>
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<td>INCITS/ISO/IEC 11560:1992</td>
<td>Information Technology - Information Interchange On 130 Mm Optical Disk Cartridges Using The Magneto-Optical Effect, For Write Once, Read Multiple Functionality</td>
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<td>INCITS/ISO/IEC 11572:2000</td>
<td>Information technology - Telecommunications and information exchange between systems - Private Integrated Services Network - Circuit mode bearer services - Inter-exchange signalling procedures and protocol</td>
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<td>INCITS/ISO/IEC 11693-1:2012</td>
<td>Identification cards - Optical memory cards - Part 1: General characteristics</td>
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<td>INCITS/ISO/IEC 11693-2:2009</td>
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**INCITS/ISO/IEC 11976:2008** [S2019], Information technology - Data interchange on 130 mm rewritable and write-once-read-many ultra density optical (UDO) disk cartridges - Capacity: 60 Gbytes per cartridge - Second generation (stabilized maintenance of INCITS/ISO/IEC 11976:2008 [R2014])

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- 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])
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  - Public Review Date: Jun 26, 2020 | Final Action Date: Oct 20, 2020 | Approved

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- INCITS/ISO/IEC 15286:1999 [S2021], Information technology - 130 mm Rewritable and Read-only Optical Disk Cartridge, Capacity: 5,2 Gigabytes per Cartridge for Information Interchange (stabilized maintenance of INCITS/ISO/IEC 15286-1999 (R2006))
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- INCITS/ISO/IEC 15408-1:2008 [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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<td>Compound image file format</td>
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<td>INCITS/ISO/IEC 15457-2:2007</td>
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<td>INCITS/ISO/IEC 15485:1997</td>
<td>Data interchange on 120 mm optical disk cartridges using phase change PD format - Capacity: 650 Mbytes per cartridge</td>
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<td>INCITS/ISO/IEC 15486:1998</td>
<td>Data Interchange on 130 mm Optical Disk Cartridges of Type WORM (Write Once Read Many) using Irreversible Effects - Capacity: 2,6 Gbytes per Cartridge</td>
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- INCITS/ISO/IEC 15896:1999 [S2020], Information technology -- Data interchange on 12,7 mm 208-track magnetic tape cartridges -- DLT 5 format (stabilized maintenance of INCITS/ISO/IEC 15896:1999 [R2015])
  Public Review Date: Jun 26, 2020 | Final Action Date: Oct 30, 2020 | Approved

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  - PINS Date: Jul 27, 2018 | Public Review Date: Sep 7, 2018 | Final Action Date: Dec 31, 2018 | *Approved*

- **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])
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<td>ITI/ISO/IEC 17594:2004</td>
<td>Information technology — Cases for 120 mm and 80 mm DVD-RAM disks (stabilized maintenance of ITI/ISO/IEC 17594:2004 [R2015])</td>
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- INCITS/ISO/IEC 18093:1999 [S2021], Information technology - Data Interchange on 130 mm Optical Disk Cartridges of Type WORM (Write Once Read Many) using Irreversible Effects - Capacity: 5,2 Gbytes per Cartridge (stabilized maintenance of INCITS/ISO/IEC 18093:1999 (R2006))
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- INCITS/ISO/IEC 19086-3:2017 [2019], Information technology - Cloud computing - Service level agreement (SLA) framework - Part 3: Core conformance requirements  
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- INCITS/ISO/IEC 19086-4:2019 [2020], Cloud computing — Service level agreement (SLA) framework — Part 4: Components of security and of protection of PII  
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- INCITS/ISO/IEC 19286:2018 [2020], Identification Cards - Integrated Circuit Cards - Privacy-Enhancing Protocols And Services  
  PINS Date: Apr 3, 2020 | Public Review Date: May 15, 2020 | Final Action Date: Oct 5, 2020 | Approved

- INCITS/ISO/IEC 19395:2015 [R2022], Information technology - Sustainability for and by information technology - Smart data centre resource monitoring and control  
  (reaffirmation of INCITS/ISO/IEC 19395:2015 [2017])  
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  (identical national adoption of ISO/IEC 19464:2014)  
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  (reaffirm a national adoption INCITS/ISO/IEC 19502:2005 [R2014])  
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  (reaffirm a national adoption INCITS/ISO/IEC 19503:2005 [R2014])  
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  (reaffirm a national adoption INCITS/ISO/IEC 19508:2014 [2014])  
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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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ITI (INCITS) (InterNational Committee for Information Technology Standards)

  Public Review Date: Aug 2, 2019 | Final Action Date: Nov 21, 2019 | Approved

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INCITS/ISO/IEC 21118:2012 [R2018], Information technology -- Office equipment -- Information to be included in specification sheets -- Data projectors (reaffirm a national adoption INCITS/ISO/IEC 21118:2012 [2013])
Public Review Date: Jul 27, 2018 | Final Action Date: Dec 31, 2018 | Approved

PINS Date: Mar 12, 2021 | Public Review Date: Apr 23, 2021 | Final Action Date: Aug 31, 2021 | Approved

PINS Date: Mar 12, 2021 | Public Review Date: Apr 23, 2021 | Final Action Date: Aug 31, 2021 | Approved

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PINS Date: Aug 28, 2015 | Public Review Date: Oct 9, 2015 | Final Action Date: Dec 22, 2015 | Approved

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PINS Date: Sep 17, 2021 | Public Review Date: Oct 29, 2021 | Final Action Date: Dec 30, 2021 | Approved

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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
ITI (INCITS) (InterNational Committee for Information Technology Standards)

- 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])
  Public Review Date: Aug 12, 2016 | Final Action Date: Nov 3, 2016 | Approved

  Public Review Date: Apr 5, 2013 | Final Action Date: Aug 7, 2013 | Approved

  Public Review Date: Jun 8, 2012 | Final Action Date: Aug 20, 2012 | Approved

  PINS Date: May 14, 2021 | Public Review Date: Jun 25, 2021 | Final Action Date: Sep 9, 2021 | Approved

  Public Review Date: Apr 8, 2022 | Final Action Date: Jul 14, 2022 | Approved

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PINS Date: Mar 12, 2021 | Public Review Date: Apr 23, 2021 | Final Action Date: Aug 31, 2021 | Approved

INCITS/ISO/IEC 23000-17:2018 [2021], Information technology - Multimedia application format (MPEG-A) - Part 17: Multiple sensorial media application format (identical national adoption of ISO/IEC 23000-17:2018)
PINS Date: Mar 12, 2021 | Public Review Date: Apr 23, 2021 | Final Action Date: Aug 31, 2021 | Approved

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  PINS Date: Feb 12, 2021 | Public Review Date: Mar 26, 2021 | Final Action Date: Aug 9, 2021 | Approved

- INCITS/ISO/IEC 23000-7:2008 [R2019], Information technology - Multimedia application format (MPEG-A) - Part 7: Open access application format (reaffirm a national adoption INCITS/ISO/IEC 23000-7:2008 [R2014])
  Public Review Date: Aug 2, 2019 | Final Action Date: Nov 21, 2019 | Approved

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INCITS/ISO/IEC 23360-4-3:2021 [2022], Linux Standard Base (LSB) - Part 4-3: Desktop specification for AMD64 (X86-64) architecture (identical national adoption of ISO/IEC 23360-4-3:2021 and revision of INCITS/ISO/IEC 23360-4:2006 [R2020])
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PINS Date: Sep 24, 2021 | Public Review Date: Nov 5, 2021 | Final Action Date: Mar 29, 2022 | Approved

INCITS/ISO/IEC 23651:2003 [S2018], Information technology -- 8 mm wide magnetic tape cartridge for information interchange -- Helical scan recording -- AIT-3 format (stabilized maintenance of INCITS/ISO/IEC 23651:2003 [R2013])
Public Review Date: Jul 27, 2018 | Final Action Date: Dec 6, 2018 | Approved
INCITS/ISO/IEC 2375:2003 [R2018], Information technology -- Procedure for registration of escape sequences and coded character sets  
(reaffirm a national adoption INCITS/ISO/IEC 2375:2003 [R2013])
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(reaffirm a national adoption INCITS/ISO/IEC 2382-1-1993 (R2008))
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INCITS/ISO/IEC 2382-10-1979 [R2013], Information technology - Vocabulary - Part 10: Operating techniques & facilities  
(reaffirm a national adoption INCITS/ISO/IEC 2382-10-1979 (R2008))
Public Review Date: Jun 7, 2013 | Final Action Date: Oct 14, 2013 | Approved

(reaffirm a national adoption INCITS/ISO/IEC 2382-12-1988 (R2008))
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(reaffirm a national adoption INCITS/ISO/IEC 2382-13-1996 (R2006))
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INCITS/ISO/IEC 2382-17:1999 [2013], Information technology -- Vocabulary -- Part 17: Databases  
(identical national adoption of ISO/IEC 2382-17:1999 and revision of INCITS/ISO 2382-17-1996 (R2011))
PINS Date: Apr 19, 2013 | Public Review Date: May 24, 2013 | Final Action Date: Aug 12, 2013 | Approved

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INCITS/ISO/IEC 2382-2:1976 [R2013], Information technology -- Vocabulary - Part 2: Arithmetic and logic operations  
(reaffirm a national adoption INCITS/ISO/IEC 2382-2-1976 (R2008))
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(reaffirm a national adoption INCITS/ISO/IEC 2382-20-1990 (R2006))
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(reaffirm a national adoption INCITS/ISO/IEC 2382-23-1994 (R2006))
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(reaffirm a national adoption INCITS/ISO/IEC 2382-24-1995 (R2006))
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- INCITS/ISO/IEC 24747:2009 [R2020], Information technology - Programming languages, their environments and system software interfaces - Extensions to the C Library to support mathematical special functions (reaffirm a national adoption INCITS/ISO/IEC 24747:2009 [R2015])
  
  Public Review Date: Jun 26, 2020 | Final Action Date: Oct 9, 2020 | Approved

  
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# Approved American National Standards

**ITI (INCITS) (InterNational Committee for Information Technology Standards)**

  - PINS Date: Jul 27, 2018 | Public Review Date: Sep 7, 2018 | Final Action Date: Dec 31, 2018 | Approved

  - PINS Date: Feb 22, 2013 | Public Review Date: Apr 19, 2013 | Final Action Date: Aug 12, 2013 | Approved

  - PINS Date: Jul 27, 2018 | Public Review Date: Sep 7, 2018 | Final Action Date: Dec 31, 2018 | Approved

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  - Public Review Date: Jul 6, 2012 | Final Action Date: Sep 5, 2012 | Approved

  - Public Review Date: Jul 6, 2012 | Final Action Date: Sep 17, 2012 | Approved

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  - Public Review Date: Jul 6, 2012 | Final Action Date: Sep 17, 2012 | Approved
ITI (INCITS) (InterNational Committee for Information Technology Standards)

  Public Review Date: Jan 30, 2009 | Final Action Date: Apr 3, 2009 | Approved

  Public Review Date: Jan 30, 2009 | Final Action Date: Apr 24, 2009 | Approved

  Public Review Date: Dec 25, 2009 | Final Action Date: Feb 18, 2010 | Approved

  Public Review Date: May 13, 2022 | Final Action Date: Aug 29, 2022 | Approved

  Public Review Date: Jul 27, 2018 | Final Action Date: Dec 31, 2018 | Approved

  Public Review Date: Aug 2, 2019 | Final Action Date: Nov 21, 2019 | Approved

  PINS Date: Feb 18, 2022 | Public Review Date: Apr 8, 2022 | Final Action Date: Jul 14, 2022 | Approved

  Public Review Date: Jun 9, 2017 | Final Action Date: Dec 5, 2017 | Approved

  PINS Date: Oct 29, 2021 | Public Review Date: Dec 10, 2021 | Final Action Date: Mar 29, 2022 | Approved

  Public Review Date: Jun 9, 2017 | Final Action Date: Dec 6, 2017 | Approved

  PINS Date: Jul 31, 2009 | Public Review Date: Aug 28, 2009 | Final Action Date: Feb 22, 2010 | Approved

  PINS Date: Feb 28, 2020 | Public Review Date: Apr 10, 2020 | Final Action Date: Jun 22, 2020 | Approved
ITI (INCITS) (InterNational Committee for Information Technology Standards)

  PINS Date: Jun 28, 2019 | Public Review Date: Aug 9, 2019 | Final Action Date: Nov 22, 2019 | Approved

  Public Review Date: Aug 2, 2019 | Final Action Date: Oct 29, 2019 | Approved

  PINS Date: Oct 29, 2021 | Public Review Date: Dec 10, 2021 | Final Action Date: Mar 29, 2022 | Approved

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  Public Review Date: Jul 6, 2012 | Final Action Date: Sep 5, 2012 | Approved

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  Public Review Date: Jun 26, 2020 | Final Action Date: Oct 9, 2020 | Approved

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  PINS Date: Mar 15, 2019 | Public Review Date: Apr 26, 2019 | Final Action Date: Jul 9, 2019 | Approved
ITI (INCITS) (InterNational Committee for Information Technology Standards)

  Public Review Date: Aug 2, 2019 | Final Action Date: Nov 22, 2019 | Approved

  Public Review Date: Feb 8, 2008 | Final Action Date: Jun 19, 2008 | Approved

ITSDF (Industrial Truck Standards Development Foundation, Inc.)

  PINS Date: Feb 15, 2019 | Public Review Date: Feb 7, 2020 | Final Action Date: Mar 26, 2020 | Approved

- ANSI/ITSDF B56.10-2012 (R2019), Manually Propelled High Lift Industrial Trucks (reaffirmation of ANSI/ITSDF B56.10-2012)
  PINS Date: Mar 23, 2018 | Public Review Date: Sep 7, 2018 | Final Action Date: Feb 7, 2019 | Approved

- ANSI/ITSDF B56.11.1-2012 (R2018), Double Race or Bi-Level Swivel and Rigid Industrial Casters (reaffirmation of ANSI/ITSDF B56.11.1-2012)
  PINS Date: Sep 22, 2017 | Public Review Date: Dec 15, 2017 | Final Action Date: Feb 16, 2018 | Approved

- ANSI/ITSDF B56.11.4-2013 (R2018), Hook-Type Forks and Fork Carriers for Powered Industrial Forklift Trucks (reaffirmation of ANSI/ITSDF B56.11.4-2013)
  PINS Date: Mar 23, 2018 | Public Review Date: Sep 7, 2018 | Final Action Date: Dec 19, 2018 | Approved

- ANSI/ITSDF B56.11.5-2014 (R2018), Measurement of Sound Emitted by Low Lift, High Lift, and Rough Terrain Powered Industrial Trucks (reaffirmation of ANSI/ITSDF B56.11.5-2014)
  PINS Date: Mar 23, 2018 | Public Review Date: Sep 7, 2018 | Final Action Date: Dec 19, 2018 | Approved

- ANSI/ITSDF B56.11.6-2019, Evaluation of Visibility from Powered Industrial Trucks (revision of ANSI/ITSDF B56.11.6-2005 (R2013))
  PINS Date: Mar 23, 2018 | Public Review Date: May 31, 2019 | Final Action Date: Aug 6, 2019 | Approved

- ANSI/ITSDF B56.11.7-2020, Liquefied Petroleum Gas (LPG) Fuel Cylinders (Horizontal or Vertical) Mounting – Liquid Withdrawal – for Powered Industrial Trucks (revision of ANSI/ITSDF B56.11.7-2011)
  PINS Date: Nov 11, 2016 | Public Review Date: May 22, 2020 | Final Action Date: Jul 7, 2020 | Approved

- ANSI/ITSDF B56.11.8-2019, Safety Standard for Seat Belt (Lap-Type) Anchorage Systems for Powered Industrial Trucks (revision of ANSI/ITSDF B56.11.8-2015)
  PINS Date: Mar 23, 2018 | Public Review Date: May 24, 2019 | Final Action Date: Aug 6, 2019 | Approved

  PINS Date: Jun 26, 2020 | Public Review Date: Sep 18, 2020 | Final Action Date: Dec 7, 2020 | Approved

  PINS Date: Mar 23, 2018 | Public Review Date: May 18, 2018 | Final Action Date: Aug 3, 2018 | Approved

  PINS Date: Feb 29, 2008 | Public Review Date: May 4, 2012 | Final Action Date: Jun 20, 2012 | Approved
ITSDF (Industrial Truck Standards Development Foundation, Inc.)

- ANSI/ITSDF B56.5-2019, Safety Standard for Guided Industrial Vehicles and Automated Functions of Manned Industrial Vehicles (revision of ANSI/ITSDF B56.5-2012)
  PINS Date: Sep 18, 2015 | Public Review Date: May 24, 2019 | Final Action Date: Aug 6, 2019 | Approved

- ANSI/ITSDF B56.6-2021, Safety Standard for Rough Terrain Forklift Trucks (revision of ANSI/ITSDF B56.6-2016)
  PINS Date: Feb 15, 2019 | Public Review Date: Jan 22, 2021 | Final Action Date: Mar 22, 2021 | Approved

- ANSI/ITSDF B56.8-2019, Safety Standard for Personnel and Burden Carriers (revision of ANSI/ITSDF B56.8-2011)
  PINS Date: Sep 18, 2015 | Public Review Date: Nov 23, 2018 | Final Action Date: Apr 26, 2019 | Approved

  PINS Date: Mar 21, 2014 | Public Review Date: Nov 16, 2018 | Final Action Date: Mar 19, 2019 | Approved

KCMA (Kitchen Cabinet Manufacturers Association)

899 Preston White Drive, Reston, VA 20191 | w: www.kcma.org

  PINS Date: Apr 3, 2020 | Public Review Date: Jun 18, 2021 | Final Action Date: May 26, 2022 | Approved

LEO (Leonardo Academy Inc.)

8401 Excelsior Drive, Madison, WI 53717 | w: www.leonardoacademy.org

- ANSI/LEO 4000-2015, LEO-4000 American National Standard for Sustainable Agriculture (new standard)
  PINS Date: Nov 28, 2008 | Public Review Date: Apr 3, 2015 | Final Action Date: Nov 3, 2015 | Approved

- ANSI/LEO 5000-2011, LEO 5000 - Standard for Emissions Inventories, Offsets and Reduction Credits (new standard)
  PINS Date: Jun 23, 2006 | Public Review Date: Apr 22, 2011 | Final Action Date: Aug 9, 2011 | Approved

- ANSI/LEO 8000-2011, Standard for Sustainable Electronic Gaming Machines (new standard)
  PINS Date: Nov 14, 2008 | Public Review Date: Apr 1, 2011 | Final Action Date: Jul 15, 2011 | Approved

LES (Licensing Executives Society (U.S. and Canada))

11130 Sunrise Valley Drive, Suite 350, Reston, VA 20191 | w: www.les.org

  PINS Date: Jan 19, 2018 | Public Review Date: Jul 2, 2021 | Final Action Date: Aug 15, 2022 | Approved

LIA (ASC Z136) (Laser Institute of America)

12001 Research Parkway, Suite 210, Orlando, FL 32828 | w: www.laserinstitute.org

  PINS Date: Apr 11, 2014 | Public Review Date: Nov 26, 2021 | Final Action Date: Aug 3, 2022 | Approved

  PINS Date: Aug 31, 2007 | Public Review Date: May 4, 2012 | Final Action Date: Dec 19, 2012 | Approved

- ANSI Z136.3-2018, Standard for Safe Use of Lasers in Health Care (revision of ANSI Z136.3-2011)
  PINS Date: Dec 21, 2012 | Public Review Date: Jul 7, 2017 | Final Action Date: May 25, 2018 | Approved

- ANSI Z136.4-2021, Standard Recommended Practice for Laser Safety Measurements for Classification and Hazard Evaluation (new standard)
  PINS Date: Sep 28, 2012 | Public Review Date: May 1, 2020 | Final Action Date: Feb 4, 2021 | Approved
LIA (ASC Z136) (Laser Institute of America)

- ANSI Z136.5-2020, Standard for Safe Use of Lasers in Educational Institutions (new standard)
  PINS Date: Nov 22, 2013 | Public Review Date: Oct 4, 2019 | Final Action Date: May 19, 2020 | Approved

  PINS Date: Apr 27, 2007 | Public Review Date: Jan 2, 2015 | Final Action Date: Oct 5, 2015 | Approved

  PINS Date: Feb 3, 2012 | Public Review Date: Oct 4, 2019 | Final Action Date: Jul 28, 2020 | Approved

- ANSI Z136.8-2021, Standard for Safe Use of Lasers in Research, Development or Testing (revision of ANSI Z136.8 -2012)
  PINS Date: Nov 22, 2013 | Public Review Date: Dec 20, 2019 | Final Action Date: Nov 16, 2020 | Approved

- ANSI Z136.9-2013, Standard for Safe Use of Lasers in Manufacturing Environments (new standard)
  PINS Date: Nov 10, 2006 | Public Review Date: May 17, 2013 | Final Action Date: Aug 6, 2013 | Approved

MHI (Material Handling Industry)

  PINS Date: Oct 2, 2020 | Public Review Date: Oct 29, 2021 | Final Action Date: Dec 7, 2021 | Approved

- ANSI MH24.2-2019, Power-Operated Vertical Carousels and Vertical Lift Modules (revision of ANSI MH24.2-2016)
  PINS Date: Jun 16, 2017 | Public Review Date: Jan 25, 2019 | Final Action Date: Sep 16, 2019 | Approved

  PINS Date: Nov 28, 2014 | Public Review Date: Aug 26, 2016 | Final Action Date: Feb 17, 2017 | Approved

  PINS Date: Mar 4, 2016 | Public Review Date: Apr 8, 2016 | Final Action Date: Jun 30, 2016 | Approved

  PINS Date: Mar 4, 2016 | Public Review Date: Nov 11, 2016 | Final Action Date: Apr 3, 2017 | Approved

  PINS Date: Oct 2, 2020 | Public Review Date: Dec 17, 2021 | Final Action Date: Feb 4, 2022 | Approved

  PINS Date: Oct 2, 2020 | Public Review Date: Dec 17, 2021 | Final Action Date: Feb 1, 2022 | Approved

- ANSI MH29.1-2020, Safety Requirements for Industrial Scissors Lifts (revision of ANSI MH29.1-2012)
  PINS Date: Dec 22, 2017 | Public Review Date: Apr 17, 2020 | Final Action Date: May 19, 2020 | Approved

- ANSI MH29.2-2020, Safety Requirements for Industrial Tilters (new standard)
  PINS Date: Jul 27, 2018 | Public Review Date: Apr 5, 2019 | Final Action Date: Apr 3, 2020 | Approved

  PINS Date: Oct 5, 2012 | Public Review Date: Jul 18, 2014 | Final Action Date: Aug 11, 2015 | Approved
MHI (Material Handling Industry)

  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

MHI (ASC MHC) (Material Handling Industry)

8720 Red Oak Boulevard, Suite 201, Charlotte, NC  28217 | w: www.mhi.org

- ANSI MH1-2021, Pallets, Slip Sheets, and Other Bases for Unit Loads  (revision of ANSI MH1-2019)
  PINS Date: Sep 25, 2020 | Public Review Date: Feb 5, 2021 | Final Action Date: May 7, 2021 | Approved

  Public Review Date: Feb 9, 2018 | Final Action Date: Sep 6, 2018 | Approved

- ANSI MH10.8.13-2016, Material Handling - Label testing procedures for pressure-sensitive adhesive labels to be used for bar codes, other markings, and as carriers for other AIDC media.  (new standard)
  PINS Date: Feb 1, 2008 | Public Review Date: May 1, 2015 | Final Action Date: May 12, 2016 | Approved

  Public Review Date: Feb 9, 2018 | Final Action Date: Sep 6, 2018 | Approved

- ANSI MH10.8.2-2016, Data Identifier and Application Identifier Standard  (revision of ANSI MH10.8.2-2010)
  Public Review Date: Jan 22, 2016 | Final Action Date: Jun 10, 2016 | Approved

- ANSI MH10.8.2-2021, Data Identifiers  (revision of ANSI MH10.8.2-2016)
  Public Review Date: Nov 27, 2020 | Final Action Date: Feb 11, 2021 | Approved
MHI (ASC MHC) (Material Handling Industry)

- ANSI MH10.8.3-2002 (R2012), Standard for Material Handling - Syntax for High Capacity ADC Media (new standard)
  Public Review Date: Feb 3, 2012 | Final Action Date: Nov 21, 2012 | Approved

  PINS Date: Apr 18, 2014 | Public Review Date: Jul 8, 2016 | Final Action Date: Feb 14, 2017 | Approved

MSS (Manufacturers Standardization Society)

  PINS Date: Nov 20, 2015 | Public Review Date: Feb 5, 2016 | Final Action Date: Nov 16, 2018 | Approved

- ANSI/MSS SP-122-2017, Plastic Industrial Ball Valves (new standard)
  PINS Date: Jul 15, 2016 | Public Review Date: Aug 18, 2017 | Final Action Date: Nov 20, 2017 | Approved

- ANSI/MSS SP-134-2012, Valves for Cryogenic Service, including Requirements for Body/Bonnet Extensions (new standard)
  PINS Date: Sep 20, 2013 | Public Review Date: Aug 22, 2014 | Final Action Date: Oct 12, 2015 | Approved

- ANSI/MSS SP-135-2022, High Pressure Knife Gate Valves (revision of ANSI/MSS SP-135-2016)
  PINS Date: Nov 13, 2020 | Public Review Date: Dec 17, 2021 | Final Action Date: Feb 1, 2022 | Approved

- ANSI/MSS SP-138-2014, Quality Standard Practice for Oxygen Cleaning of Valves and Fittings (new standard)
  PINS Date: Apr 1, 2011 | Public Review Date: Jul 26, 2013 | Final Action Date: Jul 29, 2014 | Approved

- ANSI/MSS SP-144-2020, Pressure-Seal Bonnet Valves (revision of ANSI/MSS SP-144-2013)
  PINS Date: Jan 3, 2020 | Public Review Date: May 22, 2020 | Final Action Date: Jul 7, 2020 | Approved

  PINS Date: Jun 9, 2017 | Public Review Date: Jul 28, 2017 | Final Action Date: Mar 29, 2018 | Approved

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

127 Park Street, NE, Vienna, VA  22180-4602 | w: www.mss-hq.org

1511 Wisconsin Avenue, NW, Washington, DC   20007 | w: www.sustainableproducts.com
<table>
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<tr>
<th>Standard</th>
<th>Title</th>
<th>PINS Date</th>
<th>Public Review Date</th>
<th>Final Action Date</th>
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<tr>
<td><strong>NAAMM (National Association of Architectural Metal Manufacturers)</strong></td>
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<tr>
<td>ANSI/NAAMM MBG 534-2014, Metal Bar Grating Engineering Design Manual (new standard)</td>
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<td>PINS Date: Nov 19, 2010</td>
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<td>Final Action Date: Sep 30, 2014</td>
<td>Approved</td>
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<tr>
<th><strong>NALFA (North American Laminate Flooring Association)</strong></th>
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<td>1747 Pennsylvania Avenue, NW, Suite 1000, Washington, DC 20006</td>
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<tr>
<td>PINS Date: Aug 25, 2017</td>
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<tr>
<td>ANSI/NALFA LF-02-2019, Sustainability Assessment of Laminate Flooring (revision of ANSI/NALFA LF-02-2010)</td>
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<td>PINS Date: Aug 25, 2017</td>
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<td>ANSI/NALFA LF-03-2019, Flooring Underlayment Specifications and Test Methods (new standard)</td>
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<td>PINS Date: Aug 25, 2017</td>
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<th><strong>NAPSA (North American Power Sweeping Association)</strong></th>
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<tr>
<td>P.O. Box 1166, Lebanon, OH 45036</td>
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<td>PINS Date: Aug 24, 2018</td>
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<th><strong>NASBLA (National Association of State Boating Law Administrators)</strong></th>
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<tr>
<td>1020 Monarch Street, Suite 200, Lexington, KY 40513</td>
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<tr>
<td>ANSI/NASBLA 100-2022, Basic Boating Knowledge - Core (new standard)</td>
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<td>ANSI/NASBLA 103-2022, Basic Boating Knowledge - Plus Power (revision of ANSI/NASBLA 103-2016)</td>
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<th><strong>NASPO (North American Security Products Organization)</strong></th>
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<td>ANSI/NASPO IDV-2018, Requirements and Implementation Guidelines for Assertion, Resolution, Evidence and Verification of Personal Identity (new standard)</td>
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<td>PINS Date: Mar 24, 2017</td>
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<td>PINS Date: Jun 6, 2014</td>
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<td>ANSI/NASPO SD 01-2014, Minimum security requirements for security documents (new standard)</td>
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<td>NBBPVI (National Board of Boiler and Pressure Vessel Inspectors)</td>
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<td>NCMA (National Contract Management Association)</td>
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<td>NCPDP (National Council for Prescription Drug Programs)</td>
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### NBBPVI (National Board of Boiler and Pressure Vessel Inspectors)

  - Public Review Date: Aug 28, 2020 | Final Action Date: Jan 4, 2021 | Approved

### NCMA (National Contract Management Association)

  - PINS Date: Dec 3, 2021 | Public Review Date: Feb 18, 2022 | Final Action Date: Jun 8, 2022 | Approved

### NCPDP (National Council for Prescription Drug Programs)

  - Public Review Date: Mar 13, 2020 | Final Action Date: Aug 28, 2020 | Approved

  - Public Review Date: Dec 14, 2012 | Final Action Date: Apr 10, 2013 | Approved

  - Public Review Date: Dec 6, 2013 | Final Action Date: Apr 21, 2014 | Approved

  - Public Review Date: Mar 4, 2016 | Final Action Date: Aug 18, 2016 | Approved

  - Public Review Date: Sep 2, 2016 | Final Action Date: Apr 4, 2017 | Approved

  - Public Review Date: Mar 10, 2017 | Final Action Date: Oct 26, 2017 | Approved

  - Public Review Date: Sep 14, 2018 | Final Action Date: Jan 18, 2019 | Approved

  - Public Review Date: Mar 9, 2018 | Final Action Date: Aug 13, 2018 | Approved

  - Public Review Date: Sep 14, 2018 | Final Action Date: Jan 18, 2019 | Approved
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<td>ANSI/NCPDP BUS v4.0-2020, NCPDP Billing Unit Standard v4.0 (revision and redesignation of ANSI/NCPDP BUS v3.1)</td>
<td>v4.0</td>
<td>Jul 24, 2020</td>
<td>Sep 11, 2020</td>
<td>Approved</td>
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<td>ANSI/NCPDP FB v4.3-2015, NCPDP Formulary and Benefit Standard v4.3 (revision and redesignation of ANSI/NCPDP FB v4.2-2014)</td>
<td>v4.3</td>
<td>Sep 5, 2014</td>
<td>Jan 21, 2015</td>
<td>Approved</td>
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NCPDP (National Council for Prescription Drug Programs)

  Public Review Date: Mar 11, 2022 | Final Action Date: May 19, 2022 | Approved

  Public Review Date: Sep 2, 2016 | Final Action Date: Jan 31, 2017 | Approved

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

  Public Review Date: Sep 14, 2018 | Final Action Date: Jan 18, 2019 | Approved

  PINS Date: Sep 29, 2017 | Public Review Date: Mar 11, 2022 | Final Action Date: May 19, 2022 | Approved

- ANSI/NCPDP Medical Rebate Standard v02.01-2013, NCPDP Medical Rebate Data Submission Standard v02.01 (revision and redesignation of ANSI/NCPDP Medical Rebate Standard v01.00-2011)
  Public Review Date: Dec 14, 2012 | Final Action Date: Apr 10, 2013 | Approved

- ANSI/NCPDP Medical Rebate Standard v02.02-2014, NCPDP Medical Rebate Data Submission Implementation Guide v02.02-2014x (revision and redesignation of ANSI/NCPDP Medical Rebate Standard v02.01-2013)
  Public Review Date: Dec 6, 2013 | Final Action Date: Apr 21, 2014 | Approved

- ANSI/NCPDP MR v06.01-2013, NCPDP Manufacturer Rebate Utilization, Plan, Formulary, Market Basket, and Reconciliation Flat File Standard v06.01-2013x (revision and redesignation of ANSI/NCPDP MR v06.00-2013)
  Public Review Date: Dec 14, 2012 | Final Action Date: Oct 17, 2013 | Approved

- ANSI/NCPDP MR v07.00-2014, NCPDP Manufacturer Rebate Utilization, Plan, Formulary, Market Basket, and Reconciliation Flat File Standard v07.00-2014x (revision and redesignation of ANSI/NCPDP MR v06.01-2013)
  Public Review Date: Jun 14, 2013 | Final Action Date: Feb 28, 2014 | Approved

- ANSI/NCPDP MR v07.01-2014, NCPDP Manufacturer Rebate Utilization, Plan, Formulary, Market Basket, and Reconciliation Flat File Standard (revision and redesignation of ANSI/NCPDP MR v07.00-2014)
  Public Review Date: Dec 6, 2013 | Final Action Date: Apr 22, 2014 | Approved

- ANSI/NCPDP MR v07.02-2018, NCPDP Manufacturer Rebate Utilization, Plan, Formulary, Market Basket, and Reconciliation Flat File Standard v07.02-2018x (revision and redesignation of ANSI/NCPDP MR v07.01-2014)
  Public Review Date: Sep 8, 2017 | Final Action Date: Jan 24, 2018 | Approved

  Public Review Date: Mar 15, 2019 | Final Action Date: Jul 19, 2019 | Approved

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  Public Review Date: Mar 4, 2016 | Final Action Date: Aug 22, 2016 | Approved
NCPDP (National Council for Prescription Drug Programs)

  Public Review Date: Sep 2, 2016 | Final Action Date: Apr 4, 2017 | Approved

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  Public Review Date: Mar 13, 2020 | Final Action Date: Aug 28, 2020 | Approved

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- 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
**NCPDP (National Council for Prescription Drug Programs)**

- **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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- 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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  - Public Review Date: Sep 11, 2020 | Final Action Date: Dec 18, 2020 | Approved

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- **ANSI/NCPDP SC 2013012-2013, NCPDP SCRIPT Standard 2013012** (revision and redesignation of ANSI/NCPDP SC 2013011-2013)
  - Public Review Date: Sep 14, 2012 | Final Action Date: Feb 27, 2013 | Approved

- **ANSI/NCPDP SC 2014101-2014, NCPDP SCRIPT Standard 2014101** (revision and redesignation of NCPDP SC WG110060201xxx#)
  - Public Review Date: May 30, 2014 | Final Action Date: Oct 6, 2014 | Approved

- **ANSI/NCPDP SC 2015071-2015, NCPDP SCRIPT Standard 2015071** (revision and redesignation of NCPDP SC WG110064201xxx)
  - Public Review Date: Feb 27, 2015 | Final Action Date: Aug 4, 2015 | Approved

- **ANSI/NCPDP SC Standard 20130401-2013, NCPDP SCRIPT Standard 20130401** (revision of BSR/NCPDP SC WG11005201xxxx#)
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- **ANSI/NCPDP SC Standard 2014072-2014, NCPDP SCRIPT Standard 2014072** (revision and redesignation of) 
  - Public Review Date: Mar 7, 2014 | Final Action Date: Aug 25, 2014 | Approved

  - Public Review Date: Sep 11, 2015 | Final Action Date: Apr 25, 2016 | Approved

  - Public Review Date: Mar 4, 2016 | Final Action Date: Aug 22, 2016 | Approved

  - Public Review Date: Sep 2, 2016 | Final Action Date: Jan 31, 2017 | Approved
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### NCPDP (National Council for Prescription Drug Programs)

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

  - Public Review Date: Mar 12, 2021 | Final Action Date: Jul 6, 2021 | Approved

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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: Mar 15, 2019 | Final Action Date: Jul 19, 2019 | Approved

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- **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

- **ANSI/NCPDP TC vE.2-2013, NCPDP Telecommunication Standard vE.2-2013** (revision and redesignation of ANSI/NCPDP TC vE.1-2013)
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- **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
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<td>Public Review Date: Sep 10, 2021</td>
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NEBB (National Environmental Balancing Bureau)

8575 Grovemont Circle, Gaithersburg, MD 20877 | w: www.nebb.org

  PINS Date: Jun 2, 2017 | Public Review Date: Jul 21, 2017 | Final Action Date: Jan 8, 2018 | Approved

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NECA (National Electrical Contractors Association)
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)
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- 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 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)
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- ANSI/NECA 404-2014, Standard for Installing Generator Sets (revision of ANSI/NECA 404-2006)
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NECA (National Electrical Contractors Association)

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- ANSI/NECA 408-2015, Standard for Installing and Maintaining Busways  (revision of ANSI/NECA 408-2009)
  PINS Date: Jul 4, 2014 | Public Review Date: Apr 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: Oct 10, 2014 | Public Review Date: Jul 8, 2016 | Final Action Date: Jan 17, 2017 | Approved

- ANSI/NECA 417-2019, Recommended Practice for Designing, Installing, Operating and Maintaining Microgrids  (new standard)
  PINS Date: Apr 28, 2017 | Public Review Date: Jun 21, 2019 | Final Action Date: Sep 9, 2019 | Approved

  PINS Date: Aug 3, 2012 | Public Review Date: Dec 6, 2013 | Final Action Date: Mar 12, 2014 | Approved

- ANSI/NECA 430-2016, Standard for Installing and Maintaining Medium-Voltage Switchgear  (revision of ANSI/NECA 430-2006)
  PINS Date: Aug 12, 2011 | Public Review Date: May 6, 2016 | Final Action Date: Aug 10, 2016 | Approved

- ANSI/NECA 505-2010, Standard for Installing and Maintaining High Mast, Roadway and Area Lighting  (new standard)
  PINS Date: Feb 2, 2007 | Public Review Date: Mar 5, 2010 | Final Action Date: Jun 21, 2010 | Approved

- ANSI/NECA 700-2016, Standard for Installing Overcurrent Protection to Achieve Selective Coordination  (revision of ANSI/NECA 700-2010)
  PINS Date: May 15, 2015 | Public Review Date: Apr 22, 2016 | Final Action Date: Oct 25, 2016 | Approved

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NECA (National Electrical Contractors Association)

- 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 250-2020, Enclosures for Electrical Equipment (1,000 Volts Maximum) (revision of ANSI/NEMA 250-2008)
  PINS Date: May 17, 2019 | Public Review Date: Nov 6, 2020 | Final Action Date: Dec 8, 2020 | Approved

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  PINS Date: Jul 24, 2020 | Public Review Date: Nov 6, 2020 | Final Action Date: Feb 11, 2022 | Approved

  PINS Date: Jul 24, 2020 | Public Review Date: Nov 6, 2020 | Final Action Date: Feb 11, 2022 | Approved

- ANSI/NEMA 62321-3-1-2013, Determination of certain substances in electrotechnical products - Part 3-1: Screening - Lead, mercury, cadmium, total chromium and total bromine using X-ray fluorescence spectrometry (identical national adoption of IEC 62321-3-1:2013)
  PINS Date: Jul 24, 2020 | Public Review Date: Nov 6, 2020 | Final Action Date: Feb 11, 2022 | Approved

- ANSI/NEMA 62321-3-2-2020, Determination of certain substances in electrotechnical products - Part 3-2: Screening - Fluorine, bromine and chlorine in polymer and electronics by combustion-ion chromatography (C-IC) (identical national adoption of IEC 62321-3-2:2020)
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  PINS Date: Jul 24, 2020 | Public Review Date: Nov 6, 2020 | Final Action Date: Feb 11, 2022 | Approved

- ANSI/NEMA 62321-5-2013, Determination of certain substances in electrotechnical products - Part 5: Cadmium, lead and chromium in polymers and electronics and cadmium and lead in metals by AAS, AFS, ICP-OES and ICP-MS (identical national adoption of IEC 62321-5:2013)
  PINS Date: Jul 24, 2020 | Public Review Date: Nov 6, 2020 | Final Action Date: Feb 11, 2022 | Approved
NEMA (National Electrical Manufacturers Association)

  PINS Date: Jul 24, 2020 | Public Review Date: Nov 6, 2020 | Final Action Date: Feb 11, 2022 | Approved

- ANSI/NEMA 62321-7-1-2015, Determination of certain substances in electrotechnical products - Part 7-1: Hexavalent chromium - Presence of hexavalent chromium (Cr(VI)) in colourless and coloured corrosion-protected coatings on metals by the colorimetric method (identical national adoption of IEC 62321-7-1:2015)
  PINS Date: Jul 24, 2020 | Public Review Date: Nov 6, 2020 | Final Action Date: Feb 11, 2022 | Approved

- ANSI/NEMA 62321-7-2-2017, Determination of certain substances in electrotechnical products - Part 7-2: Hexavalent chromium - Determination of hexavalent chromium (Cr(VI)) in polymers and electronics by the colorimetric method (identical national adoption of IEC 62321-7-2:2017)
  PINS Date: Jul 24, 2020 | Public Review Date: Nov 6, 2020 | Final Action Date: Feb 11, 2022 | Approved

  PINS Date: Jul 24, 2020 | Public Review Date: Nov 6, 2020 | Final Action Date: Feb 11, 2022 | 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 62430-2019, Environmentally conscious design (ECD) - Principles, requirements and guidance (identical national adoption of IEC 62430:2019)
  PINS Date: Jul 24, 2020 | Public Review Date: Nov 6, 2020 | Final Action Date: Feb 11, 2022 | Approved

- ANSI/NEMA 62474-2018, Material declaration for products of and for the electrotechnical industry (identical national adoption of IEC 62474:2018)
  PINS Date: Jul 24, 2020 | Public Review Date: Nov 6, 2020 | Final Action Date: Feb 11, 2022 | Approved

- ANSI/NEMA AB 3-2013, Molded Case Circuit Breakers and Their Application (new standard)
  PINS Date: Aug 31, 2012 | Public Review Date: Nov 6, 2012 | Final Action Date: Feb 25, 2013 | Approved

- ANSI/NEMA FB-1-2014, Fittings, Cast Metal Boxes, and Conduit Bodies for Conduit, Electrical Metallic Tubing and Cable (revision of ANSI/NEMA FB-1-2012)
  Public Review Date: Jul 25, 2014 | Final Action Date: Oct 29, 2014 | Approved

- 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

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- 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

- ANSI/NEMA MW 1000-2020, Magnet Wire (revision of ANSI/NEMA MW 1000-2018)
  PINS Date: May 29, 2020 | Public Review Date: Nov 20, 2020 | Final Action Date: Jan 7, 2021 | Approved
## NEMA (National Electrical Manufacturers Association)

- **ANSI/NEMA OS 1-2014 (R2020), Sheet-Steel Outlet Boxes, Device Boxes, Covers, and Box Supports** (reaffirmation of ANSI/NEMA OS 1-2014)
  - Public Review Date: May 3, 2019 | Final Action Date: Sep 17, 2020 | Approved

- **ANSI/NEMA OS 2-2014 (R2020), Nonmetallic Outlet Boxes, Device Boxes, Covers, and Box Supports** (reaffirmation of ANSI/NEMA OS 2-2014)
  - Public Review Date: May 3, 2019 | Final Action Date: Sep 17, 2020 | Approved

- **ANSI/NEMA PB 1.1-2013, General Instructions for Proper Handling, Installation, Operation, and Maintenance of Panelboards Rated 600 Volts or less** (revision of ANSI/NEMA PB 1.1-2007)
  - Public Review Date: Mar 29, 2013 | Final Action Date: Sep 11, 2013 | Approved

- **ANSI/NEMA PB 2.1-2013, General Instructions for Proper Handling, Installation, Operation, and Maintenance of Deadfront Distribution Switchboards Rated 600 Volts or less** (revision of ANSI/NEMA PB 2.1-2007)
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  - PINS Date: May 8, 2020 | Public Review Date: Aug 28, 2020 | Final Action Date: Oct 15, 2020 | Approved

- **ANSI/NEMA SG-IC 1-2013, Smart Grid Interoperable & Conformant (SG-IC) Testing and Certification Scheme Operator Guidelines** (new standard)
  - PINS Date: Feb 8, 2013 | Public Review Date: Mar 8, 2013 | Final Action Date: Jul 10, 2013 | Approved

  - PINS Date: Aug 7, 2015 | Public Review Date: Nov 20, 2015 | Final Action Date: Feb 22, 2016 | Approved

- **ANSI/NEMA SM 31000-1 2021, Electrical Submeter - General Requirements** (new standard)
  - PINS Date: Sep 9, 2016 | Public Review Date: Feb 26, 2021 | Final Action Date: May 18, 2021 | Approved

- **ANSI/NEMA SM 31000-2-2021, Electrical Submeter Active Energy Accuracy** (new standard)
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- **ANSI/NEMA SM 31000-7-2021, Electrical Submeter - Current Sensor Accuracy** (new standard)
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- **ANSI/NEMA WD6-2022, Wiring Devices - Dimensional Specifications** (revision of ANSI/NEMA WD6-2016)
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## NEMA (ASC C119) (National Electrical Manufacturers Association)

1300 North 17th Street, Suite 900, Rosslyn, VA 22209 | w: www.nema.org

  - PINS Date: Oct 4, 2019 | Public Review Date: Dec 3, 2021 | Final Action Date: Mar 1, 2022 | Approved

  - PINS Date: Nov 13, 2015 | Public Review Date: Jan 13, 2017 | Final Action Date: Mar 16, 2017 | Approved

- **ANSI C119.4-2022, Electric Connectors—Connectors for Use between Aluminum-to-Aluminum and Aluminum-to-Copper Conductors Designed for Normal Operation at or Below 93°C and Copper-to-Copper Conductors Designed for Normal Operation at or Below 100°C** (revision of ANSI C119.4-2016)
  - PINS Date: Jun 5, 2020 | Public Review Date: Jul 8, 2022 | Final Action Date: Aug 25, 2022 | Approved
NEMA (ASC C119) (National Electrical Manufacturers Association)

- ANSI C119.5-2018, Insulation Piercing Connector Systems, Rated 600 Volts or Less (Low-Voltage Aerial Bundled Cables and Insulated and Non-Insulated Line Wires) (revision of ANSI C119.5-2009)
  PINS Date: Nov 13, 2015 | Public Review Date: May 4, 2018 | Final Action Date: Aug 21, 2018 | Approved

- ANSI C119.6-2018, Electric Connectors Non-Sealed, Multiport Connector Systems Rated 600 Volts or Less for Aluminum and Copper Conductors (revision of ANSI C119.6-2011)
  PINS Date: Nov 10, 2017 | Public Review Date: Feb 23, 2018 | Final Action Date: Jun 29, 2018 | Approved

  PINS Date: Mar 9, 2018 | Public Review Date: Oct 26, 2018 | Final Action Date: Dec 14, 2018 | Approved

NEMA (ASC C12) (National Electrical Manufacturers Association)

1300 North 17th Street, Suite 900, Rosslyn, VA 22209 | w: www.nema.org

- ANSI C12.1-2022, Code for Electricity Metering (revision of ANSI C12.1-2016)
  PINS Date: Apr 24, 2020 | Public Review Date: Mar 25, 2022 | Final Action Date: Jun 9, 2022 | Approved

  Public Review Date: Mar 12, 2021 | Final Action Date: May 11, 2021 | Approved

- ANSI C12.11-2006 (R2019), Instrument Transformers for Revenue Metering 10kV BIL through 350 kV BIL (0.6 kV NSV through 69 kV NSV) (reaffirmation of ANSI C12.11-2006 (R2014))
  Public Review Date: Jul 26, 2019 | Final Action Date: Sep 23, 2019 | Approved

- ANSI C12.18-2006 (R2015), Protocol Specification for ANSI Type 2 Optical Port (reaffirmation of ANSI C12.18-2006)
  Public Review Date: Jun 10, 2016 | Final Action Date: Aug 23, 2016 | Approved

  PINS Date: Aug 9, 2019 | Public Review Date: Aug 13, 2021 | Final Action Date: Oct 18, 2021 | Approved

- ANSI C12.20-2017, Standard for Electricity Meters - 0.1, 0.2 and 0.5 Accuracy Classes (revision of ANSI C12.20-2010)
  PINS Date: Nov 27, 2015 | Public Review Date: Nov 25, 2016 | Final Action Date: Jan 24, 2017 | Approved

  Public Review Date: Jun 10, 2016 | Final Action Date: Aug 23, 2016 | Approved

  PINS Date: Jan 17, 2020 | Public Review Date: Apr 17, 2020 | Final Action Date: Jun 18, 2020 | Approved

- ANSI C12.32-2021, Electricity Meters for the Measurement of DC Energy (new standard)
  PINS Date: May 17, 2019 | Public Review Date: Jan 15, 2021 | Final Action Date: Mar 4, 2021 | Approved

- ANSI C12.6-1987 (R2016), Phase-Shifting Devices Used In Metering, Marking and Arrangement of Terminals (reaffirmation of ANSI C12.6-1987 (R2011))
  PINS Date: Jun 10, 2016 | Public Review Date: Aug 12, 2016 | Final Action Date: Jan 12, 2017 | Approved

- ANSI C12.7-2005 (R2014), Requirements for Watthour Meter Sockets (reaffirmation of ANSI C12.7-2005)
  PINS Date: Aug 3, 2012 | Public Review Date: Feb 1, 2013 | Final Action Date: Aug 14, 2014 | Approved

  Public Review Date: Mar 12, 2021 | Final Action Date: Jun 8, 2021 | Approved
# NEMA (ASC C12) (National Electrical Manufacturers Association)

- **ANSI C12.9-2014 (R2021), Test Switches and Plugs for Transformer-Rated Meters** (reaffirmation of ANSI C12.9-2014)
  - PINS Date: Aug 9, 2019 | Public Review Date: May 21, 2021 | Final Action Date: Aug 5, 2021 | Approved

- **ANSI IEC 62056-6-2 ED3-2019, Electricity Metering Data Exchange - The DLMS/COSEM Suite - Part 6-2: COSEM Interface Classes** (identical national adoption of IEC 62056-6-2 ED3)
  - PINS Date: Apr 20, 2018 | Public Review Date: Feb 8, 2019 | Final Action Date: Jul 8, 2019 | Approved

- **ANSI/IEC 62056-5-3 ED3-2019, Electricity Metering Data Exchange - The DLMS/COSEM Suite - Part 5 - 3: DLMS/COSEM application layer** (identical national adoption of IEC 62056-5-3 ED3)
  - PINS Date: Apr 20, 2018 | Public Review Date: Feb 8, 2019 | Final Action Date: Jul 8, 2019 | Approved

- **ANSI/IEC 62056-6-1 ED3-2019, Electricity Metering Data Exchange - The DLMS/COSEM Suite - Part 6-1: Object Identification System (OBIS)** (identical national adoption of IEC 62056-6-1 ED3)
  - PINS Date: Apr 20, 2018 | Public Review Date: Feb 8, 2019 | Final Action Date: Jul 8, 2019 | Approved

- **ANSI/IEC 62056-8-20 ED 1.0-2019, Electricity Metering Data Exchange - The DLMS/COSEM Suite - Part 8-20: Mesh communication profile for neighborhood networks** (identical national adoption of IEC TS 62056-8-20 ED 1)
  - PINS Date: Apr 20, 2018 | Public Review Date: Feb 8, 2019 | Final Action Date: Jul 8, 2019 | Approved

- **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)

  - Public Review Date: Jun 3, 2022 | Final Action Date: Jul 21, 2022 | Approved

  - PINS Date: Aug 7, 2015 | Public Review Date: Jun 16, 2017 | Final Action Date: Oct 27, 2017 | Approved

- **ANSI C136.11-2011 (S2021), Multiple Parallel Wired Sockets** (stabilized maintenance of ANSI C136.11-2011 (R2016))
  - Public Review Date: Jun 4, 2021 | Final Action Date: Jul 20, 2021 | Approved

  - PINS Date: Apr 26, 2019 | Public Review Date: Aug 28, 2019 | Final Action Date: Aug 13, 2019 | Approved

- **ANSI C136.13-2020, Metal Brackets for Wood Poles** (revision of ANSI C136.13-2014)
  - PINS Date: Apr 26, 2019 | Public Review Date: Aug 7, 2020 | Final Action Date: Oct 20, 2020 | Approved

  - PINS Date: Apr 26, 2019 | Public Review Date: May 15, 2020 | Final Action Date: Jul 9, 2020 | Approved

  - PINS Date: Nov 22, 2019 | Public Review Date: May 15, 2020 | Final Action Date: Jul 9, 2020 | Approved

- **ANSI C136.16-2019, ANS for Roadway and Area Lighting Equipment - Post Top–Mounted Luminaires** (revision of ANSI C136.16-2014)
  - PINS Date: Nov 30, 2018 | Public Review Date: Mar 8, 2019 | Final Action Date: Aug 8, 2019 | Approved
NEMA (ASC C136) (National Electrical Manufacturers Association)

  PINS Date: Aug 26, 2016 | Public Review Date: Nov 11, 2016 | Final Action Date: Jun 6, 2017 | Approved

  PINS Date: Jan 23, 2015 | Public Review Date: Apr 13, 2018 | Final Action Date: Sep 20, 2018 | Approved

  PINS Date: Aug 6, 2021 | Public Review Date: Nov 5, 2021 | Final Action Date: Feb 7, 2022 | Approved

  PINS Date: May 19, 2017 | Public Review Date: Jul 7, 2017 | Final Action Date: Sep 20, 2018 | Approved

  PINS Date: Jul 7, 2017 | Public Review Date: Jul 23, 2021 | Final Action Date: Oct 19, 2021 | Approved

  Public Review Date: Feb 8, 2019 | Final Action Date: Apr 10, 2019 | Approved

  PINS Date: Jan 25, 2019 | Public Review Date: Oct 11, 2019 | Final Action Date: Nov 26, 2019 | Approved

  PINS Date: Oct 6, 2017 | Public Review Date: Jan 15, 2021 | Final Action Date: May 21, 2021 | Approved

- 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 Equipment Tunnel and Underpass Lighting Luminaires (revision of ANSI C136.27-2012)
  PINS Date: Oct 6, 2017 | Public Review Date: Jan 15, 2021 | Final Action Date: May 20, 2021 | Approved

  PINS Date: Jun 3, 2016 | Public Review Date: Nov 11, 2016 | Final Action Date: Jun 6, 2017 | Approved

  Public Review Date: Jun 3, 2022 | Final Action Date: Jul 21, 2022 | Approved
## ANSI C136 Series

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## NEMA (ASC C137) (National Electrical Manufacturers Association)

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## NEMA (ASC C18) (National Electrical Manufacturers Association)

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<td>ANSI C18.2M, Part 2-2021, Portable Nickel Rechargeable Cells and Batteries Safety Standard (revision of ANSI C18.2M, Part 2-2014)</td>
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## NEMA (ASC C29) (National Electrical Manufacturers Association)

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<td>ANSI C29.13-2018, Composite Insulators Distribution Deadend Type (revision of ANSI C29.13-2012)</td>
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<td>ANSI C29.17-2013, Standard for Insulators-Composite-Line Post Type (new standard)</td>
<td>PINS Date: Jul 27, 2012</td>
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## NEMA (ASC C29) (National Electrical Manufacturers Association)

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## NEMA (ASC C37) (National Electrical Manufacturers Association)

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NEMA (ASC C37) (National Electrical Manufacturers Association)

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NEMA (ASC C50) (National Electrical Manufacturers Association)

- ANSI C50.41-2012 (R2021), Polyphase Induction Motors for Power Generating Stations (reaffirmation of ANSI C50.41-2012)
  PINS Date: Feb 15, 2019 | Public Review Date: Oct 16, 2020 | Final Action Date: Apr 5, 2021 | Approved

- ANSI NEMA MG 1-2022, Motors and Generators (revision of ANSI NEMA MG 1-2021)
  PINS Date: Sep 3, 2021 | Public Review Date: Apr 8, 2022 | Final Action Date: Jun 6, 2022 | Approved

NEMA (ASC C78) (National Electrical Manufacturers Association)

- ANSI C78.1195-2016 (R2022), for Electric Lamps—Double-Capped Fluorescent Lamps—Safety Specifications (reaffirmation of ANSI C78.1195-2016)
  Public Review Date: Jul 9, 2021 | Final Action Date: Apr 7, 2022 | Approved

- ANSI C78.1199-2016 (R2022), For Electric Lamps—Single-Capped Fluorescent Lamps—Safety Specifications (reaffirmation of ANSI C78.1199-2016)
  Public Review Date: Jul 9, 2021 | Final Action Date: Apr 6, 2022 | Approved

- ANSI C78.1401-2004 (S2022), For Electric Lamps—Dimensions for Projection Lamps—Double-Contact, Medium Ring (Special B), Base-up Type (stabilized maintenance of ANSI C78.1401-2004 (R2016))
  Public Review Date: Jul 9, 2021 | Final Action Date: Apr 12, 2022 | Approved

- ANSI C78.1402-2004 (S2018), Standard For Electric Lamps -- Dimensions for Projection Lamps G17q and GX17q Based Four-pin, Prefocus, for Base-down Operation (stabilized maintenance of ANSI C78.1402-2004 (R2011))
  Public Review Date: Oct 20, 2017 | Final Action Date: Feb 15, 2018 | Approved

- ANSI C78.1403-1997 (S2018), Standard for Electric Lamps—Tungsten Halogen Lamps with 6.35, GX6.35 and GY6.35 Bases (stabilized maintenance of ANSI C78.1403-1997 (R2011))
  Public Review Date: Oct 20, 2017 | Final Action Date: Feb 15, 2018 | Approved

- ANSI C78.1406-2004 (S2020), For Electric Lamps Electric Lamps – P28 Single-Contact Medium Prefocus Based Projection Lamps for Base-Down Operation - Dimensions (stabilized maintenance of ANSI C78.1406-2004 (R2015))
  Public Review Date: May 29, 2020 | Final Action Date: Sep 28, 2020 | Approved

- ANSI C78.1407-2004 (S2020), For Electric Lamps Electric Lamps – Condenser-Reflector, Four-Pin Prefocus-Base Projection Lamps - Dimensions (stabilized maintenance of ANSI C78.1407-2004 (R2015))
  Public Review Date: May 29, 2020 | Final Action Date: Sep 28, 2020 | Approved

- ANSI C78.1408-2004 (S2020), For Electric Lamps Electric Lamps – CBA Projection Lamp (stabilized maintenance of ANSI C78.1408-2004 (R2015))
  Public Review Date: May 29, 2020 | Final Action Date: Sep 28, 2020 | Approved
NEMA (ASC C78) (National Electrical Manufacturers Association)

- 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 (S2022), For Electric Lamps—Slide Projector Lamps, Condensing, Dichroic, 1.65-in. (42 mm), Integral Reflector, Rim Reference Tungsten-Halogen Lamps with GX5.3 Bases (stabilized maintenance of ANSI C78.1430-1997 (R2016))
  Public Review Date: Jul 9, 2021 | Final Action Date: Jul 18, 2022 | Approved

- ANSI C78.1431-1997 (S2022), For Electric Lamps—Slide Projector Lamps, Condensing, Dichroic, Two-inch (51 mm), Integral Reflector, Rim Reference Tungsten-Halogen Lamps with GY 5.3 Bases (stabilized maintenance of ANSI C78.1431-1997 (R2016))
  Public Review Date: Jul 9, 2021 | Final Action Date: Jul 18, 2022 | Approved

- ANSI C78.1432-1997 (S2018), Standard for electric lamps--Tungsten-Halogen Lamps with GZ9.5 Two-Pin, Prefocus Bases and 36.5mm Nominal Light Center Length (stabilized maintenance of ANSI C78.1432-1997 (R2011))
  Public Review Date: Feb 9, 2018 | Final Action Date: Jun 8, 2018 | Approved

- ANSI C78.1433-2001 (S2018), Standard Electric Lamps Two-inch (51mm) Dichroic Coated Integral Reflector, Rim Reference, Tungsten Halogen Large Screen Projection Lamps with GX5.3 Bases (stabilized maintenance of ANSI C78.1433-2001 (R2011))
  Public Review Date: Feb 9, 2018 | Final Action Date: Jun 8, 2018 | Approved

- ANSI C78.1434-2001 (S2018), Standard Electric Lamps Condensing Dichroic Coated Integral Reflector Side Pin Tungsten Halogen Projection Lamps with GX7.9 Bases (stabilized maintenance of ANSI C78.1434-2001 (R2011))
  Public Review Date: Feb 9, 2018 | Final Action Date: Jun 8, 2018 | Approved

- ANSI C78.1435-2002 (S2018), Standard Electric Lamps Projection Lamps--Tungsten Halogen Lamps with G5.3 Bases (stabilized maintenance of ANSI C78.1435-2002 (R2011))
  Public Review Date: Feb 9, 2018 | Final Action Date: Jun 8, 2018 | Approved

  Public Review Date: Oct 20, 2017 | Final Action Date: Feb 15, 2018 | Approved

- ANSI C78.1451-2002 (S2018), Standard For Electric Lamps--Use of Protective Shields with Tungsten-Halogen LampsCautionary Notice (stabilized maintenance of ANSI C78.1451-2002 (R2011))
  Public Review Date: Oct 20, 2017 | Final Action Date: Jun 8, 2018 | Approved

- ANSI C78.1452-2004 (S2020), For Electric Lamps – Projection Lamps – Vocabulary (stabilized maintenance of ANSI C78.1452-2004 (R2015))
  Public Review Date: May 29, 2020 | Final Action Date: Sep 28, 2020 | Approved

- ANSI C78.1460-2004 (S2020), For Electric Lamps Single-Ended Tungsten-Halogen Lamps GZ9.5 Base, T6 Bulb, 36.5mm LCL, 76.2mm MOL with Proximity Reflector (stabilized maintenance of ANSI C78.1460-2004 (R2015))
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- ANSI C78.1501-2016 (R2022), For Electric Lamps - Tungsten-Halogen Lamps with G22 Bases and 63.5 mm LCL (reaffirmation of ANSI C78.1501-2016)
  Public Review Date: Jul 9, 2021 | Final Action Date: Apr 5, 2022 | Approved

- ANSI C78.180-2003 (S2022), For Electric Lamps—Specifications for Fluorescent Lamp Starters (stabilized maintenance of ANSI C78.180-2003 (R2016))
  Public Review Date: Jul 9, 2021 | Final Action Date: Apr 12, 2022 | Approved
NEMA (ASC C78) (National Electrical Manufacturers Association)

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- ANSI C78.21-2022, Standard -- Incandescent lamps: PAR and R Shapes (revision of ANSI C78.21-2011 (R2016))
  PINS Date: May 21, 2021 | Public Review Date: Apr 22, 2022 | Final Action Date: Jun 16, 2022 | Approved

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- ANSI C78.23-1995 (S2018), For Incandescent Lamps - Miscellaneous Types (stabilized maintenance of ANSI C78.23-1995 (R2011))
  Public Review Date: Oct 20, 2017 | Final Action Date: Feb 15, 2018 | Approved

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- ANSI C78.261-1997 (S2018), Specification for Tubular Incandescent Infrared Lamps (stabilized maintenance of ANSI C78.261-1997 (R2011))
  Public Review Date: Oct 20, 2017 | Final Action Date: Feb 15, 2018 | Approved

- ANSI C78.30-1997 (S2018), Standard for electric lamps: Procedure for Use in Preparation of Lamp Space Drawings (stabilized maintenance of ANSI C78.30-1997 (R2011))
  Public Review Date: Feb 9, 2018 | Final Action Date: Jun 8, 2018 | Approved

- ANSI C78.370-1997 (S2018), Standard for electric lamps - Method of Designation for Electric Lamps - Photographic, Stage and Studio (stabilized maintenance of ANSI C78.370-1997 (R2011))
  Public Review Date: Oct 20, 2017 | Final Action Date: Feb 15, 2018 | Approved

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- ANSI C78.376-2014 (R2021), For electric lamps: Specifications for the Chromaticity of Fluorescent Lamps (reaffirmation of ANSI C78.376-2014)
  Public Review Date: May 29, 2020 | Final Action Date: May 6, 2021 | Approved

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- ANSI C78.379-2006 (S2020), For Electric Lamps - Classification of the Beam Patterns of Reflector Lamps (stabilized maintenance of ANSI C78.379-2006 (R2015))
  Public Review Date: May 29, 2020 | Final Action Date: Sep 28, 2020 | Approved

- ANSI C78.380-2016 (R2022), For Electric Lamps: High-Intensity Discharge Lamps, Method of Designation (reaffirmation of ANSI C78.380-2016)
  Public Review Date: Jul 9, 2021 | Final Action Date: Apr 5, 2022 | Approved
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- ANSI C78.391-2004 (S2022), For Electric Lamps—Characteristics of Subminiature Lamps of T1 and T1-3/4 Shapes (stabilized maintenance of ANSI C78.391-2004 (R2016))
  Public Review Date: Jul 9, 2021 | Final Action Date: Apr 12, 2022 | Approved

- ANSI C78.40-2016 (R2022), For Electric Lamps: Specifications for Mercury Lamps (reaffirmation of ANSI C78.40-2016)
  Public Review Date: Jul 9, 2021 | Final Action Date: Apr 12, 2022 | Approved

- ANSI C78.41-2016 (R2022), For Electric Lamps: Guidelines for Low Pressure Sodium Lamps (reaffirmation of ANSI C78.41-2016)
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- ANSI C78.42-2009 (S2022), For Electric Lamps—High-Pressure Sodium Lamps (stabilized maintenance of ANSI C78.42-2009 (R2016))
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- ANSI C78.43-2022, ANS for Electric Lamps - Single-Ended Metal Halide Lamps (revision of ANSI C78.43-2017)
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- ANSI C78.44-2016 (R2022), For Electric Lamps: Double-Ended Metal Halide Lamps (reaffirmation of ANSI C78.44-2016)
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- ANSI C78.45-2016 (R2022), For Electric Lamps: Self-ballasted Mercury Lamps (reaffirmation of ANSI C78.45-2016)
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- ANSI C78.5-2017 (R2022), Standard For Electric Lamps - Specifications for Performance of Self-ballasted Compact Fluorescent Lamps (reaffirmation of ANSI C78.5-2017)
  Public Review Date: Apr 22, 2022 | Final Action Date: Jun 16, 2022 | Approved

- ANSI C78.50-2016 (R2022), For Electric Lamps—Assigned LED Lamp Codes (reaffirmation of ANSI C78.50-2016)
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- ANSI C78.51-2016 (R2022), For Electric Lamps—LED (Light Emitting Diode) Lamps—Method of Designation (reaffirmation of ANSI C78.51-2016)
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NEMA (ASC C78) (National Electrical Manufacturers Association)

- ANSI C78.53-2019, ANSI For Electric Lamps, Performance Specifications for Direct Replacement LED (Light Emitting Diode) Lamps (new standard)
PINS Date: Sep 5, 2014 | Public Review Date: Apr 5, 2019 | Final Action Date: May 23, 2019 | Approved

- ANSI C78.54-2019, Standard for Electric Lamps - Specification Sheet for Tubular Fluorescent Replacement and Retrofit LED Lamps (new standard)
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- ANSI C78.55-2020, Standard for Electric Lamps - LED Lamp Specification Sheets for HID Replacement and Retrofit Applications (new standard)
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- ANSI C78.60432.2-2004 (S2018), Standard for electric lamps—Incandescent LampsSafety Specifications—Part 2 : Tungsten Halogen Lamps for Domestic and Similar General Lighting Purposes (stabilized maintenance of ANSI C78.60432.2-2004 (R2011))
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- ANSI C78.60432.3-2007 (S2018), Standard for electric lamps—Incandescent LampsSafety Specifications—Part 3 : Tungsten halogen lamps (non-vehicle) (stabilized maintenance of ANSI C78.60432.3-2007 (R2011))
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- ANSI C78.62035-2016 (R2022), For Electric Lamps—Discharge Lamps (Excluding Fluorescent Lamps)—Safety Specifications (reaffirmation of ANSI C78.62035-2016)
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- ANSI C78.62717-2018, Standard for Electric Lamps—LED modules for general lighting Performance Requirements (new standard)
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- ANSI C78.682-1997 (S2022), For Electric Lamps—Standard Method of Measuring the Pinch Temperature of Quartz Tungsten-Halogen Lamps (stabilized maintenance of ANSI C78.682-1997 (R2016))
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- ANSI C78.79-2014 (R2020), ANSI for Electric Lamps - Nomenclature for Envelope Shapes Intended for use with Electric Lamps (reaffirmation of ANSI C78.79-2014)
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- ANSI C78.81-2016 (R2022), For Electric Lamps—Double-Capped Fluorescent Lamps—Dimensional and Electrical Characteristics (reaffirmation of ANSI C78.81-2016)
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- ANSI C78.901-2016 (R2022), For Electric Lamps—Single-Based Fluorescent Lamps—Dimensional and Electrical Characteristics (reaffirmation of ANSI C78.901-2016)
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NEMA (ASC C78) (National Electrical Manufacturers Association)

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- ANSI C78.LL3-2003 (S2020), For Electric Lamps — Procedures for High Intensity Discharge Lamp Sample Preparation and the Toxicity Characteristic Leaching Procedure (stabilized maintenance of ANSI C78.LL3-2003 (R2015))
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- 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))
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NEMA (ASC C8) (National Electrical Manufacturers Association)

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- ANSI ICEA P-124-736-2021, Code Words for 600V Underground Distribution Cable (new standard)
  PINS Date: Sep 27, 2019 | Public Review Date: Apr 16, 2021 | Final Action Date: Jun 3, 2021 | Approved

- ANSI ICEA P-127-737-2021, Code Words for Overhead Aluminum Covered Conductors and 600 Volt Overhead Cables (new standard)
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- ANSI ICEA P-32-382-2006 (R2018), Short Circuit Characteristics of Insulated Conductors (reaffirmation of ANSI/ICEA P-32-382-2006 (R2013))
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**ANSI ICEA S-110-717-2019, Standard for Optical Fiber Drop Cable**
(revision of ANSI/ICEA S-110-717-2013)
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**ANSI ICEA S-112-718-2021, Standard for Optical Fiber Cable for Placement in Sewer Environments**
(revision of ANSI/ICEA S-112-718-2013)
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**ANSI ICEA S-115-730-2018, Standard for Multi-Dwelling Unit (MDU) Optical Fiber Cable**
(revision of ANSI ICEA S-115-730-2012)
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**ANSI ICEA S-117-746-2021, Standard for Category 8, 100 Ohm, Indoor Cables for use in LAN Communication Wiring Systems**
(new standard)
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**ANSI ICEA S-119-741-2021, Standard For Fiber To The Antenna (FTTA) Optical Fiber Cable**
(revision of ANSI/ICEA S-119-741-2016)
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**ANSI ICEA S-120-742-2021, Hybrid Optical Fiber And Power Cable For Use In Limited Power Circuits**
(revision of ANSI/ICEA S-120-742-2016)
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**ANSI ICEA S-122-744-2022, Standard For Optical Fiber Outside Plant Microduct Cables**
(revision of ANSI ICEA S-122-744-2016)
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**ANSI ICEA S-130-760-2021, ICEA Standard For Broadband Twisted Pair Cable Filled And Unfilled, Polyolefin Insulated, Copper Conductor**
(new standard)
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**ANSI ICEA S-76-474-2020, Standard for Neutral-Supported Power Cable Assemblies with Weather-Resistant Extruded Insulation Rated 600 Volts**
(revision of ANSI ICEA S-76-474-2011)
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**ANSI ICEA S-81-570-2019, Standard for 600 Volt Rated Cables of Ruggedized Design for Direct Burial Installation as Single Conductors or Assemblies of Single Conductors**
(revision of ANSI/ICEA S-81-570-2012)
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**ANSI ICEA S-83-596-2022, Standard for Indoor Optical Cable**
(revision of ANSI/ICEA S-83-596-2016)
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**ANSI ICEA S-89-648-2011 (R2019), ICEA STANDARD FOR AERIAL SERVICE WIRE TECHNICAL REQUIREMENTS**
(reaffirmation of ANSI ICEA S-89-648-2011)
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NEMA (ASC C8) (National Electrical Manufacturers Association)

- ANSI ICEA S-90-661-2021, Standard For Category 3 And 5E Individually Unshielded Twisted Pairs, Indoor Cables (With Or Without An Overall Shield) For Use In General Purpose And Lan Communication Wiring Systems (revision of ANSI/ICEA S-90-661-2012)
  PINS Date: Nov 8, 2019 | Public Review Date: Jun 25, 2021 | Final Action Date: Aug 10, 2021 | Approved

- ANSI ICEA S-91-674-2021, Coaxial And Coaxial/Twisted Pair Hybrid Buried Service Wires Technical Requirements (revision of ANSI ICEA S-91-674-2011)
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- ANSI NEMA HP 4-2021, Electrical and Electronic FEP (Fluorinated Ethylene Propylene) Insulated High Temperature Hook-Up Wire, Types KT (250 Volt), K (600 Volt), and KK (1000 Volt) (revision of ANSI/NEMA HP 4-2012)
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- ANSI NEMA HP 5-2021, Electrical and Electronic Crosslinked, Modified Polyethylene (XLPE) Insulated 125°C Hook-Up Wire, Types L (600 V), LL (1000 V), and LX (3000 V) (revision of ANSI/NEMA HP 5-2013)
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- ANSI NEMA HP 6-2021, Electrical and Electronic Silicone and Silicone Braided Insulated, Hook-Up Wire, Types S (600 V), ZHS (600 V), SS (1000 V), ZHSS (1000 V), and SSB Braided (1000 V) (revision of ANSI/NEMA HP 6-2013)
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- ANSI NEMA HP 8-2021, Electrical and Electronic Cross-Linked, Modified Low-Smoke Polyolefin (XLPO) Insulated Hook-Up Wire, Types LS (rated 105°C; 600 V), ZHDM (rated 90°C; 600 V), ZDH (rated 90°C; 600 V), ZH (rated 125°C; 600 V), and ZHX (rated 125°C; 1000 V) (revision of ANSI/NEMA HP 8-2013)
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- ANSI NEMA WC 27500-2020, Standard for Aerospace and Industrial Electrical Cable (revision of ANSI/NEMA WC 27500-2015)
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- ANSI NEMA WC 55021-2021, Standard for Military Internal Electrical Cable (revision of ANSI/NEMA WC 55021-2013)
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## ANSI NEMA WC 75-2022, Standard for Controlled Impedance in Internal Electrical Cable (revision of ANSI/NEMA WC 75-2015)
- **PINS Date:** Aug 2, 2019 | **Public Review Date:** Feb 25, 2022 | **Final Action Date:** Apr 15, 2022 | **Approved**

## ANSI NEMA WC76-2018, Standard for Controlled Impedance Shielded Twisted Pairs in Internal Electrical Cable (new standard)
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## ANSI/ICEA S-113-684-2016, PERFORMANCE BASED STANDARD FOR ELECTRIC UTILITY EXTRUDED DIELECTRIC SHIELDED POWER CABLES RATED 5 THROUGH 46 KV (new standard)
- **PINS Date:** Apr 24, 2015 | **Public Review Date:** Jul 3, 2015 | **Final Action Date:** Jul 7, 2016 | **Approved**

## ANSI/ICEA P-45-482-2017, Short Circuit Performance of Metallic Shields and Sheaths on Insulated Cable (new standard)
- **PINS Date:** Sep 9, 2016 | **Public Review Date:** Dec 23, 2016 | **Final Action Date:** Jun 6, 2017 | **Approved**

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## ANSI/ICEA S-100-685-2014, Standard for Thermoplastic Insulated and Jacketed Telecommunications Station Wire for Indoor/Outdoor Use (revision of ANSI/ICEA S-100-685-2009)
- **PINS Date:** Jan 2, 2015 | **Public Review Date:** Mar 27, 2015 | **Final Action Date:** Apr 26, 2016 | **Approved**

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## ANSI/ICEA S-121-733-2016, Tree Wire and Messenger Supported Spacer Cable (new standard)
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- **ANSI/NEMA HP 3-2021**, Insulated High Temperature Hook-Up Wire; Types ET (250 Volts), E (600 Volts), and EE (1000 Volts) (revision of ANSI/NEMA HP 3-2011)
  - PINS Date: Aug 16, 2019 | Public Review Date: Oct 9, 2020 | Final Action Date: Mar 2, 2021 | Approved

- **ANSI/NEMA HP 9-2014 (R2021)**, Electrical and Electronic Ethylene-Propylene Diene Elastomer (EPDM) Insulated Hook-Up Wire, Types EP (Rated 125°C; 600 V) and EPD (Rated 125°C; 5000 V) (reaffirmation of ANSI/NEMA HP 9-2014)
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NEMA (ASC C80) (National Electrical Manufacturers Association)

- ANSI C80.1-2020, Electric Rigid Steel Conduit (revision of ANSI C80.1-2015)
  PINS Date: May 3, 2019 | Public Review Date: Oct 9, 2020 | Final Action Date: Dec 29, 2020 | Approved

- ANSI C80.3-2020, Electrical Metallic Tubing Steel (EMT-S) (revision of ANSI C80.3-2015)
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- ANSI C80.5-2020, Electrical Rigid Metal Conduit Aluminum (ERMC-A) (revision of ANSI C80.5-2015)
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- ANSI C80.6-2018, Electrical Intermediate Metal Conduit (new standard)
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NEMA (ASC C81) (National Electrical Manufacturers Association)

- ANSI C81.61-2019, Standard for Electrical Lamp Bases Specifications for Bases (Caps) for Electric Lamps (revision of ANSI C81.61-2017)
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- ANSI C81.64-2005 (S2020), ANS for Guidelines and General Information for Electric Lamp Bases, Lampholders and Gauges (stabilized maintenance of ANSI C81.64-2005 (R2014))
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NEMA (ASC C82) (National Electrical Manufacturers Association)

- ANSI C82.1-2004 (S2020), Standard For Lamp Ballast - Line Frequency Fluorescent Lamp Ballast (stabilized maintenance of ANSI C82.1-2004 (R2015))
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- ANSI C82.11-2017, Lamp Ballasts - High Frequency Fluorescent Lamp Ballasts (revision of ANSI C82.11-2011)
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- ANSI C82.13-2020, Standard For Lamp Ballasts -- Definitions - for Fluorescent Lamps and Ballasts (revision of ANSI C82.13-2002 (R2010))
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- ANSI C82.14-2016 (R2022), Standard for Lamp Ballasts—Low-Frequency Square Wave Electronic Ballasts—for Metal Halide Lamps (reaffirmation of ANSI C82.14-2016)
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<td>ANSI C82.15-2021, LED Drivers Robustness (new standard)</td>
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<td>ANSI C82.3-2016 (R2022), Standard for Electric Lamps—Reference Ballasts for Fluorescent Lamps (reaffirmation of ANSI C82.3-2016)</td>
<td>May 28, 2021</td>
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<td>ANSI C82.4-2017 (R2022), Standard For Lamp Ballasts -- Ballasts For High-Intensity-Discharge and Low-Pressure Sodium Lamps (Multiple-Supply Type) (reaffirmation of ANSI C82.4-2017)</td>
<td>Apr 22, 2022</td>
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<td>ANSI C82.5-2016 (R2022), Standard for Lamp Ballasts—High-Intensity Discharge and Low-Pressure Sodium Lamps (reaffirmation of ANSI C82.5-2016)</td>
<td>May 28, 2021</td>
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<td>ANSI C82.77-10-2021, For Lighting Equipment Harmonic Emission Limits Related Power Quality Requirements (revision of ANSI C82.77-10-2020)</td>
<td>May 29, 2020</td>
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<td>ANSI C82.77-3-2020, Standard for Lighting EquipmentElectromagnetic 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>
<td>Dec 7, 2018</td>
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<td>ANSI C82.77-4-2020, Standard for Lighting Equipment Electromagnetic compatibility (EMC) Testing and measurement techniques Power frequency magnetic field immunity test (national adoption with modifications of IEC 61000-4-8 Edition 2 2009)</td>
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### NEMA (ASC C82) (National Electrical Manufacturers Association)

- ANSI C82.77-7-2020, Standard for Lighting Equipment Testing and measurement techniques Voltage dips, short interruptions and voltage variations immunity tests (national adoption with modifications of IEC 61000-4-11 Edition 2.1 2017-05)
  - PINS Date: Dec 7, 2018 | Public Review Date: Aug 9, 2019 | Final Action Date: Jan 10, 2020 | Approved

- ANSI C82.77-8-2020, Standard for Lighting Equipment Fast Transients (national adoption with modifications of IEC 61000-4-4:2012)
  - PINS Date: Dec 7, 2018 | Public Review Date: Jul 12, 2019 | Final Action Date: Jan 10, 2020 | Approved

- ANSI C82.77-9-2020, Standard for Lighting Equipment Injected Currents (national adoption with modifications of IEC 61000-4-6 Edition 4 2013-10)
  - PINS Date: Dec 7, 2018 | Public Review Date: Mar 13, 2020 | Final Action Date: May 4, 2020 | Approved

- ANSI C82.9-2016 (R2022), Standard for Lamp Ballasts—High-Intensity Discharge and Low-Pressure Sodium Lamps—Definitions (reaffirmation of ANSI C82.9-2016)
  - Public Review Date: May 28, 2021 | Final Action Date: Apr 12, 2022 | Approved

### NEMA (ASC C84) (National Electrical Manufacturers Association)

- ANSI C84.1-2020, Standard for Electric Power Systems and Equipment Voltage Ratings (60 Hertz) (revision of ANSI C84.1-2016)
  - PINS Date: Feb 15, 2019 | Public Review Date: Nov 22, 2019 | Final Action Date: Mar 10, 2020 | Approved

### NEMA (ASC GR) (National Electrical Manufacturers Association)

- ANSI/NEMA GR 1-2022, Ground Rod Electrodes and Ground Rod Electrode Couplings (new standard)
  - PINS Date: Jul 10, 2015 | Public Review Date: Jul 8, 2022 | Final Action Date: Aug 24, 2022 | Approved

### NEMA (ASC W1) (National Electrical Manufacturers Association)

- ANSI/NEMA AW 10002-2022, Precautionary Labeling for Arc-Welding and Cutting Products (new standard)
  - PINS Date: Mar 19, 2021 | Public Review Date: May 20, 2022 | Final Action Date: Jul 11, 2022 | Approved

  - PINS Date: Aug 17, 2018 | Public Review Date: Feb 22, 2019 | Final Action Date: Jun 14, 2019 | Approved

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

  - Public Review Date: Apr 24, 2020 | Final Action Date: Jul 14, 2020 | Approved

  - PINS Date: Nov 22, 2019 | Public Review Date: Aug 21, 2020 | Final Action Date: Feb 9, 2021 | Approved

  - PINS Date: Nov 22, 2019 | Public Review Date: Aug 21, 2020 | Final Action Date: Feb 9, 2021 | Approved
### NEMA (ASC W1) (National Electrical Manufacturers Association)

  - 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)

  - PINS Date: Mar 5, 2021 | Public Review Date: Mar 18, 2022 | Final Action Date: Jun 2, 2022 | Approved

- **ANSI Z535.2-2011 (R2017), Environmental and Facility Signs** (reaffirmation of ANSI Z535.2-2011)
  - Public Review Date: Jan 20, 2017 | Final Action Date: Oct 18, 2017 | Approved

- **ANSI Z535.3-2022, Criteria for Safety Symbols** (revision of ANSI Z535.3-2011 (R2017))
  - Public Review Date: Mar 18, 2022 | Final Action Date: Jun 2, 2022 | Approved

- **ANSI Z535.4-2011 (R2017), Product Safety Signs and Labels** (reaffirmation of ANSI Z535.4-2011)
  - Public Review Date: Jan 20, 2017 | Final Action Date: Oct 20, 2017 | Approved

- **ANSI Z535.5-2022, Safety Tags and Barricade Tapes (for Temporary Hazards)** (revision of ANSI Z535.5-2011 (R2017))
  - PINS Date: Mar 5, 2021 | Public Review Date: Mar 25, 2022 | Final Action Date: Jun 2, 2022 | Approved

- **ANSI Z535.6-2011 (R2017), Product Safety Information in Product Manuals, Instructions, and Other Collateral Materials** (reaffirmation of ANSI Z535.6-2011)
  - Public Review Date: Feb 17, 2017 | Final Action Date: Oct 27, 2017 | Approved

### NENA (National Emergency Number Association)

- **ANSI/NENA STA-010.3-2021, NENA I3 Standard for Next Generation 9-1-1** (new standard)
  - PINS Date: May 8, 2015 | Public Review Date: Mar 19, 2021 | Final Action Date: Oct 7, 2021 | Approved

- **ANSI/NENA STA-011.1-2021, NENA Standards for 9-1-1 Professional Education** (new standard)
  - PINS Date: Sep 2, 2016 | Public Review Date: Jul 31, 2020 | Final Action Date: Feb 4, 2021 | Approved

- **ANSI/NENA STA-013.2-2016, NENA Public Safety Communications & Railroad Interaction Standard Operating Procedures** (new standard)
  - PINS Date: Apr 11, 2014 | Public Review Date: Aug 7, 2015 | Final Action Date: Mar 31, 2016 | Approved

- **ANSI/NENA STA-017.1-2022, Changing Role of the Telecommunicator in the NG9-1-1 Environment** (new standard)
  - PINS Date: Jan 19, 2018 | Public Review Date: May 28, 2021 | Final Action Date: Mar 14, 2022 | Approved
### Approved American National Standards

**NENA (National Emergency Number Association)**

- ANSI/NENA STA-019.1-2018, NG9-1-1 Call Processing Metrics Standard  (new standard)
  - PINS Date: May 8, 2015 | Public Review Date: Jan 19, 2018 | Final Action Date: Jul 2, 2018 | Approved

- ANSI/NENA STA-026.5-2016 (R2022), NENA PSAP Master Clock Standard  (reaffirmation of ANSI/NENA STA-026.5 -2016)
  - Public Review Date: Dec 31, 2021 | Final Action Date: Feb 28, 2022 | Approved

- ANSI/NENA STA-027.3-2018, NENA E9-1-1 PSAP Equipment Standard  (new standard)
  - PINS Date: Apr 15, 2016 | Public Review Date: Jan 19, 2018 | Final Action Date: Jul 2, 2018 | Approved

- ANSI/NENA STA-034.1-2022, NENA Legacy Selective Router Gateway Standard  (new standard)
  - PINS Date: Nov 6, 2020 | Public Review Date: Nov 26, 2021 | Final Action Date: Mar 17, 2022 | Approved

  - PINS Date: Jun 19, 2020 | Public Review Date: Oct 29, 2021 | Final Action Date: Mar 17, 2022 | Approved

- ANSI/NENA STA.002.2-2022, NENA Standard to Protect the Wellbeing of 9-1-1 Professionals  (new standard)
  - PINS Date: Nov 6, 2020 | Public Review Date: Sep 3, 2021 | Final Action Date: Mar 14, 2022 | Approved

- ANSI/NENA STA.021.1-2021, NENA Standard for Emergency Incident Data Object (EIDO)  (new standard)
  - PINS Date: Nov 6, 2020 | Public Review Date: May 28, 2021 | Final Action Date: Oct 19, 2021 | Approved

**NETA (InterNational Electrical Testing Association)**

- 3050 Old Centre Road, Suite 101, Portage, MI 49024 | w: www.netaworld.org

  - PINS Date: Nov 30, 2018 | Public Review Date: Jun 26, 2020 | Final Action Date: Sep 18, 2020 | Approved

  - PINS Date: May 18, 2018 | Public Review Date: Jul 5, 2019 | Final Action Date: Sep 9, 2019 | Approved

  - PINS Date: Oct 16, 2020 | Public Review Date: Nov 12, 2021 | Final Action Date: Jan 7, 2022 | Approved

**NFPA (National Fire Protection Association)**

- One Batterymarch Park, Quincy, MA 02169 | w: www.nfpa.org

  - PINS Date: Feb 23, 2018 | Public Review Date: Apr 5, 2019 | Final Action Date: Aug 31, 2020 | Approved

  - PINS Date: Apr 13, 2018 | Public Review Date: Jan 22, 2021 | Final Action Date: Sep 15, 2021 | Approved
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<td>ANSI/NFPA 1124-2022, Code for the Manufacture, Transportation, and Storage of Fireworks and Pyrotechnic Articles</td>
<td>(revision of ANSI/NFPA 1124-2017) PINS Date: Jul 21, 2017</td>
<td>Public Review Date: Jan 1, 2021</td>
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<td>(revision of ANSI/NFPA 1126-2016) PINS Date: Dec 29, 2017</td>
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<td>ANSI/NFPA 1140-2022, Standards for Wildland Firefighting</td>
<td>(new standard) PINS Date: Oct 25, 2019</td>
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<td>ANSI/NFPA 1192-2021, Standard on Recreational Vehicles</td>
<td>(revision of ANSI/NFPA 1192-2018) PINS Date: Feb 23, 2018</td>
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<td>Standard on Installation, Maintenance, and Use of Emergency Services Communications Systems</td>
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<td>ANSI/NFPA 1401-2017</td>
<td>Recommended Practice for Fire Service Training Reports and Records</td>
<td>Sep 15, 2017</td>
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<td>Standard for Training Fire Service Personnel in the Operation, Care, Use, and Maintenance of Thermal Imagers</td>
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<td>Standard on Training for Emergency Scene Operations</td>
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<td>Guide for Training Fire Service Personnel to Conduct Community Risk Reduction</td>
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<td>ANSI/NFPA 150-2022</td>
<td>Fire and Life Safety in Animal Housing Facilities Code</td>
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# Approved American National Standards

## NFPA (National Fire Protection Association)

- **ANSI/NFPA 1583-2022**, Standard on Health-Related Fitness Programs for Fire Department Members  
  (revision of ANSI/NFPA 1583-2015)  
  PINS Date: Dec 29, 2017 | Public Review Date: Jan 22, 2021 | Final Action Date: Apr 8, 2021 | Approved

  (revision of ANSI/NFPA 1584-2015)  
  PINS Date: Dec 29, 2017 | Public Review Date: Jan 22, 2021 | Final Action Date: Apr 8, 2021 | Approved

- **ANSI/NFPA 160-2021**, Standard for the Use of Flame Effects Before an Audience  
  (revision of ANSI/NFPA 160-2016)  
  PINS Date: Dec 8, 2017 | Public Review Date: Jan 3, 2020 | Final Action Date: Apr 4, 2020 | Approved

  (revision of ANSI/NFPA 1600-2016)  
  PINS Date: Sep 2, 2016 | Public Review Date: Sep 8, 2017 | Final Action Date: Nov 25, 2018 | Approved

  (revision of ANSI/NFPA 1616-2017)  
  PINS Date: Jul 7, 2017 | Public Review Date: Aug 16, 2019 | Final Action Date: Nov 24, 2019 | Approved

- **ANSI/NFPA 1620-2020**, Standard for Pre-Incident Planning  
  (revision of ANSI/NFPA 1620-2015)  
  PINS Date: Oct 13, 2017 | Public Review Date: Aug 16, 2019 | Final Action Date: Nov 24, 2019 | Approved

- **ANSI/NFPA 17-2021**, Standard for Dry Chemical Extinguishing Systems  
  (revision of ANSI/NFPA 17-2017)  
  PINS Date: Jul 7, 2017 | Public Review Date: Feb 7, 2020 | Final Action Date: Jun 21, 2020 | Approved

  (revision of ANSI/NFPA 170-2018)  
  PINS Date: Jun 8, 2018 | Public Review Date: Jul 31, 2020 | Final Action Date: Oct 25, 2020 | Approved

  (new standard)  
  PINS Date: Nov 10, 2017 | Public Review Date: Aug 16, 2019 | Final Action Date: Aug 31, 2020 | Approved

  (revision of ANSI/NFPA 1710-2016)  
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  (revision of ANSI/NFPA 1720-2014)  
  PINS Date: Apr 21, 2017 | Public Review Date: Feb 1, 2019 | Final Action Date: May 18, 2019 | Approved

  (revision of ANSI/NFPA 1730-2016)  
  Public Review Date: Feb 9, 2018 | Final Action Date: Sep 3, 2018 | Approved

- **ANSI/NFPA 17A-2021**, Standard for Wet Chemical Extinguishing Systems  
  (revision of ANSI/NFPA 17A-2017)  
  PINS Date: Jul 7, 2017 | Public Review Date: Feb 7, 2020 | Final Action Date: Apr 4, 2020 | Approved

- **ANSI/NFPA 18-2021**, Standard on Wetting Agents  
  (revision of ANSI/NFPA 18-2017)  
  PINS Date: Jul 7, 2017 | Public Review Date: Sep 13, 2019 | Final Action Date: Jul 16, 2020 | Approved

- **ANSI/NFPA 1801-2021**, Standard on Thermal Imagers for the Fire Service  
  (revision of ANSI/NFPA 1801-2018)  
  PINS Date: Feb 23, 2018 | Public Review Date: Feb 7, 2020 | Final Action Date: Apr 4, 2020 | Approved

- **ANSI/NFPA 1802-2021**, Standard on Two-Way, Portable RF Voice Communications Devices for Use by Emergency Services Personnel in the Hazard Zone  
  (new standard)  
  PINS Date: Dec 15, 2017 | Public Review Date: Aug 7, 2020 | Final Action Date: Oct 25, 2020 | Approved
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<td>Standard on Selection, Care, and Maintenance of Wildland Fire Fighting Clothing and Equipment (new standard)</td>
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NFPA (National Fire Protection Association)

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  PINS Date: Apr 21, 2017 | Public Review Date: Apr 12, 2019 | Final Action Date: Jun 30, 2019 | Approved

  PINS Date: Aug 24, 2018 | Public Review Date: Feb 5, 2021 | Final Action Date: Apr 8, 2021 | Approved

  PINS Date: Jun 8, 2018 | Public Review Date: Feb 5, 2021 | Final Action Date: Sep 15, 2021 | Approved

  PINS Date: Dec 29, 2017 | Public Review Date: Aug 16, 2019 | Final Action Date: Nov 24, 2019 | Approved

- ANSI/NFPA 204-2021, Standard for Smoke and Heat Venting (revision of ANSI/NFPA 204-2018)
  PINS Date: Jun 8, 2018 | Public Review Date: Jul 31, 2020 | Final Action Date: Oct 25, 2020 | Approved

  PINS Date: Sep 2, 2016 | Public Review Date: Sep 8, 2017 | Final Action Date: Aug 15, 2018 | Approved

- ANSI/NFPA 2112-2023, Standard on Flame-Resistant Clothing for Protection of Industrial Personnel Against Short-Duration Thermal Exposures from Fire (revision of ANSI/NFPA 2112-2018)
  PINS Date: Apr 13, 2018 | Public Review Date: Jan 21, 2022 | Final Action Date: Jul 6, 2022 | Approved

- ANSI/NFPA 2113-2020, Standard on Selection, Care, Use, and Maintenance of Flame-Resistant Garments for Protection of Industrial Personnel Against Short-Duration Thermal Exposures from Fire (revision of ANSI/NFPA 2113-2016)
  PINS Date: Apr 21, 2017 | Public Review Date: Feb 8, 2019 | Final Action Date: May 18, 2019 | Approved

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  PINS Date: Aug 24, 2018 | Public Review Date: Jan 1, 2021 | Final Action Date: Sep 15, 2021 | Approved

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  PINS Date: Feb 23, 2018 | Public Review Date: Apr 26, 2019 | Final Action Date: Aug 31, 2020 | Approved

- ANSI/NFPA 3000-2021, Standard for an Active Shooter/Hostile Event Response (ASHER) Program (new standard)
  PINS Date: May 11, 2018 | Public Review Date: Feb 7, 2020 | Final Action Date: Apr 4, 2020 | Approved

  PINS Date: Apr 13, 2018 | Public Review Date: Jan 21, 2022 | Final Action Date: Apr 9, 2022 | Approved

  PINS Date: Apr 21, 2017 | Public Review Date: Feb 1, 2019 | Final Action Date: Aug 25, 2019 | Approved

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

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  PINS Date: Feb 23, 2018 | Public Review Date: Jul 31, 2020 | Final Action Date: Sep 15, 2021 | Approved

  PINS Date: Dec 8, 2017 | Public Review Date: Aug 7, 2020 | Final Action Date: Oct 25, 2020 | Approved

  PINS Date: Oct 13, 2017 | Public Review Date: Oct 5, 2018 | Final Action Date: Apr 30, 2019 | 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 |
### Approved American National Standards

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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)
PINS Date: May 19, 2017 | Public Review Date: Jun 23, 2017 | Final Action Date: Aug 18, 2017 | Approved

PINS Date: Dec 8, 2017 | Public Review Date: Jan 28, 2022 | Final Action Date: Apr 9, 2022 | Approved

ANSI/NFPA 51B-2019, Standard for Fire Prevention During Welding, Cutting, and Other Hot Work (revision of ANSI/NFPA 51B-2013)
PINS Date: Jan 25, 2018 | Public Review Date: Feb 9, 2018 | Final Action Date: Jul 15, 2018 | Approved

PINS Date: May 10, 2019 | Public Review Date: Jan 21, 2022 | Final Action Date: Apr 9, 2022 | Approved

ANSI/NFPA 520-2021, Standard on Subterranean Spaces (revision of ANSI/NFPA 520-2016)
PINS Date: Dec 8, 2017 | Public Review Date: Jul 31, 2020 | Final Action Date: Oct 25, 2020 | Approved

PINS Date: Dec 8, 2017 | Public Review Date: Jul 31, 2020 | Final Action Date: Oct 25, 2020 | Approved

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PINS Date: Oct 13, 2017 | Public Review Date: Aug 16, 2019 | Final Action Date: Nov 24, 2019 | Approved |
| ANSI/NFPA 77-2019 | Recommended Practice on Static Electricity | (revision of ANSI/NFPA 77-2013)  
PINS Date: Jan 25, 2018 | Public Review Date: Feb 9, 2018 | Final Action Date: May 24, 2018 | Approved |
| ANSI/NFPA 770-2021 | Standard on Hybrid (Water and Inert Gas) Fire Extinguishing Systems | (new standard)  
PINS Date: Dec 15, 2017 | Public Review Date: Jan 3, 2020 | Final Action Date: Apr 4, 2020 | Approved |
| ANSI/NFPA 78-2019 | Guide on Electrical Inspections | (new standard)  
PINS Date: Aug 11, 2017 | Public Review Date: Apr 12, 2019 | Final Action Date: Jun 30, 2019 | Approved |
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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: Feb 23, 2018 | Public Review Date: Aug 7, 2020 | Final Action Date: Oct 25, 2020 | Approved

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NISO (National Information Standards Organization)

  Public Review Date: May 25, 2012 | Final Action Date: Aug 9, 2012 | Approved

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  Public Review Date: Feb 17, 2012 | Final Action Date: Apr 16, 2012 | Approved

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  Public Review Date: Apr 16, 2021 | Final Action Date: Jun 10, 2021 | Approved

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  PINS Date: May 13, 2016 | Public Review Date: Oct 7, 2016 | Final Action Date: Feb 2, 2017 | Approved

  Public Review Date: Jan 19, 2018 | Final Action Date: Mar 16, 2018 | Approved

NIST/ITL (National Institute of Standards and Technology/Information Technology Laboratory)

  PINS Date: Sep 26, 2014 | Public Review Date: Apr 1, 2016 | Final Action Date: Jul 14, 2016 | Approved

NPPC (National Pork Producers Council)

  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
NPPC (National Pork Producers Council)

  PINS Date: Oct 14, 2016 | Public Review Date: Jan 10, 2020 | Final Action Date: Apr 21, 2021 | Approved

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NSAA (ASC B77) (National Ski Areas Association)

  PINS Date: Mar 26, 2021 | Public Review Date: Mar 11, 2022 | Final Action Date: May 5, 2022 | Approved

- ANSI B77.2-2020, Standard for Funiculars - Safety Standard (revision of ANSI B77.2-2014)
  Public Review Date: Jun 8, 2018 | Public Review Date: Aug 7, 2020 | Final Action Date: Sep 30, 2020 | Approved

NSF (NSF International)

- ANSI/BIFMA e3-2019 (i23r2), NSF/BIFMA e3 - Furniture Sustainability Standard (revision of ANSI/BIFMA e3-2014)
  Public Review Date: Apr 27, 2018 | Final Action Date: Apr 3, 2019 | Approved

- ANSI/NSC 373-2017 (i1r1), Sustainable Production of Natural Dimension Stone (revision and redesignation of ANSI/NSC 373-2014 (i2r1))
  Public Review Date: Feb 17, 2017 | Final Action Date: Aug 8, 2017 | Approved

- ANSI/NSC 373-2019 (i3r1), Sustainability Assessment for Natural Dimension Stone (revision of ANSI/NSC 373-2017)
  Public Review Date: Dec 21, 2018 | Final Action Date: Feb 4, 2019 | Approved

- ANSI/NSC 373-2019 (i4r1), Sustainability Assessment Natural Dimension Stone (revision of ANSI/NSC 373-2017)
  Public Review Date: Jun 28, 2019 | Final Action Date: Aug 12, 2019 | Approved

- ANSI/NSC 373-2019 (i5r1), Sustainability Assessment Natural Dimension Stone (revision of ANSI/NSC 373-2017)
  Public Review Date: Jun 28, 2019 | Final Action Date: Jul 28, 2019 | Approved

- ANSI/NSF 12-2017 (i11r1), Automatic Ice Making Equipment (revision of ANSI/NSF 12-2012)
  Public Review Date: May 26, 2017 | Final Action Date: Jun 28, 2017 | Approved

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- ANSI/NSF 14-2016 (i79r1), NSF 14 - 2014 Plastics piping system components and related materials (revision of ANSI/NSF 14-2014, BSR/NSF 14-201x (i79r1))
  Public Review Date: Jun 24, 2016 | Final Action Date: Aug 26, 2016 | Approved

- ANSI/NSF 14-2016 (i79r2), NSF 14 - 2014 Plastics piping system components and related materials (revision of ANSI/NSF 14-2014)
  Public Review Date: Aug 5, 2016 | Final Action Date: Sep 4, 2016 | Approved

- ANSI/NSF 14-2016 (i80r1), Plastics piping system components and related materials (revision of ANSI/NSF 14-2015)
  Public Review Date: Jul 29, 2016 | Final Action Date: Feb 28, 2017 | Approved

- ANSI/NSF 14-2017 (i78r1), Plastics piping system components and related materials (revision of ANSI/NSF 14-2015)
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- ANSI/NSF 14-2017 (i82r1), Plastics Piping System Components and Related Materials (revision of ANSI/NSF 14-2007 (i17))
  Public Review Date: Dec 15, 2017 | Final Action Date: Jan 30, 2018 | 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 -2016a)
  Public Review Date: Jun 9, 2017 | Final Action Date: Jul 19, 2017 | Approved

- ANSI/NSF 14-2017 (i87r1), NSF/ANSI 14 - Plastics piping system components and related materials (revision of ANSI/NSF 14-2016)
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- ANSI/NSF 14-2018 (i86r1), NSF 14 - Plastics Piping System Components and Related Materials (revision of ANSI/NSF 14-2016)
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- ANSI/NSF 14-2018 (i88r1), NSF 14 - Plastics Piping System Components and Related Materials (revision of ANSI/NSF 14-2016)
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- ANSI/NSF 14-2018 (i89r1), NSF 14-Plastics Piping System Components and Related Materials (revision of ANSI/NSF 14-2016)
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- ANSI/NSF 170-2022 (i30r3), Glossary of Food Equipment Terminology (revision of BSR/NSF 170-2021)
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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 (i51r2), Dietary Supplements (revision of ANSI/NSF 173-2012)
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- ANSI/NSF 173-2016 (i54r1), Dietary Supplements (revision of ANSI/NSF 173-2013)
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- ANSI/NSF 173-2016 (i60r1), Dietary Supplements (revision of ANSI/NSF 173-2013)
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- 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
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ANSI/NSF 350-1-2017 (i7r1), NSF 350-1 Onsite residential and commercial greywater treatment systems for subsurface discharge (revision of ANSI/NSF 350-1-2012)
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ANSI/NSF 350-2015 (i6r1), Wastewater treatment systems - Onsite residential and commercial water reuse treatment systems (revision of ANSI/NSF 350-2012)
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ANSI/NSF 350-2016 (i11r1), Onsite residential and commercial water reuse treatment systems (revision of ANSI/NSF 350-2014)
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ANSI/NSF 350-2017 (i15r1), Onsite Residential and Commercial Water Reuse Treatment Systems (revision of ANSI/NSF 350-2012 (i3))
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ANSI/NSF 350-2018 (i25r1), NSF/ANSI 350: Onsite residential and commercial water reuse treatment systems (revision of BSR/NSF 350-201x (i25r1))
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- ANSI/NSF 363-2016 (i2r1), Good Manufacturing Practices (GMP) for Pharmaceutical Excipients  (revision of ANSI/NSF 363-2014)
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- 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)
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- ANSI/NSF 363-2016 (i5r1), Good Manufacturing Practices (GMP) for Pharmaceutical Excipients  (revision of ANSI/NSF 363-2014)
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- 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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- 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)
  Public Review Date: Dec 4, 2020 | Final Action Date: Jan 5, 2021 | Approved

- 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)
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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)
- Public Review Date: May 1, 2015 | Final Action Date: May 31, 2015 | Approved

### 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)
- Public Review Date: Jul 31, 2015 | Final Action Date: Sep 21, 2015 | Approved

### ANSI/NSF 42-2016 (i75r1), Drinking Water Treatment Units - Aesthetic Effects (revision of ANSI/NSF 42-2015)
- Public Review Date: Jul 15, 2016 | Final Action Date: Aug 29, 2016 | Approved

### 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 (i98r1), Drinking Water Treatment Units - Aesthetic Effects (revision of ANSI/NSF 42-2015)
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### ANSI/NSF 42-2017 (i94r1), Drinking Water Treatment Units - Aesthetic Effects (revision of ANSI/NSF 42-2016)
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### ANSI/NSF 42-2017 (i95r1), NSF 42-2016 - Drinking Water Treatment Units - Aesthetic Effects (revision of ANSI/NSF 42-2016)
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### ANSI/NSF 42-2017 (i96r1), NSF 42-2016 - Drinking Water Treatment Units - Aesthetic Effects (revision of ANSI/NSF 42-2016)
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ANSI/NSF 42-2019 (i98r1), NSF 42 - Drinking Water Treatment Units – Aesthetic Effects (revision of ANSI/NSF 42-2018)
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ANSI/NSF 42-2020 (i107r1), Drinking Water Treatment Units – Aesthetic Effects (revision of ANSI/NSF 42-2019)
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ANSI/NSF 42-2021 (i108r1), Drinking Water Treatment Units – Aesthetic Effects (revision of ANSI/NSF 42-2020)
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ANSI/NSF 42-2021 (i110r1), Drinking Water Treatment Units – Aesthetic Effects (revision of ANSI/NSF 42-2019)
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ANSI/NSF 42-2021 (i112r1), NSF 42: Drinking Water Treatment Units - Aesthetic Effects (revision of ANSI/NSF 42-2020)
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ANSI/NSF 42-2021 (i113r1), Drinking Water Treatment Units – Aesthetic Effects (revision of ANSI/NSF 42-2020)
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ANSI/NSF 42-2021 (i114r2), Drinking Water Treatment Units - Aesthetic Effects (revision of ANSI/NSF 42-2020)
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ANSI/NSF 42-2021 (i115r2), Drinking Water Treatment Units – Aesthetic Effects (revision of ANSI/NSF 42-2020)
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ANSI/NSF 42-2021 (i118r1), Drinking Water Treatment Units – Aesthetic Effects  (revision of ANSI/NSF 42-2020)
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ANSI/NSF 42-2021 (i119r2), Drinking Water Treatment Units – Aesthetic Effects  (revision of ANSI/NSF 42-2020)
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ANSI/NSF 426-2018 (i3r1), Environmental Leadership and Corporate Social Responsibility Assessment of Servers
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ANSI/NSF 426-2018 (i4r1), Environmental Leadership and Corporate Social Responsibility Assessment of Servers
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ANSI/NSF 426-2018 (i5r1), Environmental Leadership and Corporate Social Responsibility Assessment of Servers
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ANSI/NSF 426-2018 (i6r1), Environmental Leadership and Corporate Social Responsibility Assessment of Servers
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ANSI/NSF 437-2021 (i1r2), Glossary of Wastewater Technology Terminology  (new standard)
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ANSI/NSF 44-2014 (i35), Residential Cation Exchange Water Softeners  (revision of ANSI/NSF 44-2012 (i34))
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ANSI/NSF 44-2014 (i36r1), Residential Cation Exchange Water Softeners  (revision of ANSI/NSF 44-2013)
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ANSI/NSF 44-2015 (i37r1), Residential Cation Exchange Water Softeners  (revision of ANSI/NSF 44-2014)
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ANSI/NSF 44-2015 (i38r2), Residential Cation Exchange Water Softeners  (revision of ANSI/NSF 44-2014)
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ANSI/NSF 44-2015 (i39), Residential Cation Exchange Water Softeners  (revision of ANSI/NSF 44-2014)
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ANSI/NSF 44-2016 (i41r1), NSF 44-2016 - Residential Cation Exchange Water Softeners  (revision of ANSI/NSF 44 -2015)
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**NSF (NSF International)**

- ANSI/NSF 455-2-2021 (i12r1), Good Manufacturing Practices for Dietary Supplements  
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- ANSI/NSF 455-2-2021 (i13r1), Good Manufacturing Practices for Dietary Supplements  
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- ANSI/NSF 455-2-2021 (i15r1), Good Manufacturing Practices for Dietary Supplements  
  (revision of ANSI/NSF 455-2-2020)  
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- ANSI/NSF 455-2-2021 (i16r1), Good Manufacturing Practices for Dietary Supplements  
  (revision of ANSI/NSF 455-2-2020)  
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- ANSI/NSF 455-2-2021 (i18r1), Good Manufacturing Practices for Dietary Supplements  
  (revision of ANSI/NSF 455-2-2020)  
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- ANSI/NSF 455-2-2021 (i20r1), Good Manufacturing Practices for Dietary Supplements  
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- ANSI/NSF 455-2-2021 (i21r1), Good Manufacturing Practices for Dietary Supplements  
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- ANSI/NSF 455-2-2021 (i22r1), Good Manufacturing Practices for Dietary Supplements  
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- ANSI/NSF 455-2-2021 (i24r1), Good Manufacturing Practices for Dietary Supplements  
  (revision of ANSI/NSF 455-2-2020)  
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- ANSI/NSF 455-2-2021 (i26r2), Good Manufacturing Practices for Dietary Supplements  
  (revision of ANSI/NSF 455-2-2020)  
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- ANSI/NSF 455-2-2021 (i28r1), Good Manufacturing Practices for Dietary Supplements  
  (revision of ANSI/NSF 455-2-2020)  
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- ANSI/NSF 455-2-2021 (i29r2), Good Manufacturing Practices for Dietary Supplements  
  (revision of ANSI/NSF 455-2-2020)  
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- ANSI/NSF 455-2-2022 (i23r1), Good Manufacturing Practices for Dietary Supplements  
  (revision of ANSI/NSF 455-2-2021)  
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- ANSI/NSF 455-2-2022 (i25r1), Good Manufacturing Practices for Dietary Supplements  
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<td>NSF 455-4 - Good Manufacturing Practices for Over-the-Counter Drugs (revision of ANSI/NSF 455-4-2018)</td>
<td>Sep 7, 2018</td>
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<td>ANSI/NSF 455-4-2020 (i13r1)</td>
<td>NSF 455-4 - Good Manufacturing Practices for Over-the-Counter Drugs (revision of ANSI/NSF 455-4-2018)</td>
<td>Mar 6, 2020</td>
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<td>ANSI/NSF 455-4-2020 (i15r1)</td>
<td>NSF 455-4 - Good Manufacturing Practices for Over-the-Counter Drugs (revision of ANSI/NSF 455-4-2018)</td>
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<td>May 28, 2021</td>
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NSF (NSF International)

- ANSI/NSF 455-4-2021 (i34r1), Good Manufacturing Practices for Over-the-Counter Drugs (revision of ANSI/NSF 455-4-2020)
  Public Review Date: Mar 19, 2021 | Final Action Date: Apr 30, 2021 | Approved

- ANSI/NSF 455-4-2021 (i35r1), Good Manufacturing Practices for Over-the-Counter Drugs (revision of ANSI/NSF 455-4-2019)
  Public Review Date: Jul 9, 2021 | Final Action Date: Aug 8, 2021 | Approved

- ANSI/NSF 455-4-2021 (i36r1), Good Manufacturing Practices for Over-the-Counter Drugs (revision of ANSI/NSF 455-4-2020)
  Public Review Date: Jul 2, 2021 | Final Action Date: Aug 9, 2021 | Approved

- ANSI/NSF 455-4-2021 (i39r2), Good Manufacturing Practices for Over-the-Counter Drugs (revision of ANSI/NSF 455-4-2020)
  Public Review Date: Sep 10, 2021 | Final Action Date: Oct 10, 2021 | Approved

- ANSI/NSF 455-4-2021 (i40r1), Good Manufacturing Practices for Over-the-Counter Drugs (revision of ANSI/NSF 455-4-2020)
  Public Review Date: Jun 4, 2021 | Final Action Date: Jul 6, 2021 | Approved

- ANSI/NSF 455-4-2022 (i32r1), Good Manufacturing Practices for Over-the-Counter Drugs (revision of ANSI/NSF 455-4-2021)
  Public Review Date: May 13, 2022 | Final Action Date: Jun 17, 2022 | Approved

- ANSI/NSF 455-4-2022 (i38r1), Good Manufacturing Practices for Over-the-Counter Drugs (revision of ANSI/NSF 455-4-2022 (i32r1))
  Public Review Date: May 13, 2022 | Final Action Date: Jul 20, 2022 | Approved

- ANSI/NSF 456-2021 (i1r1), Vaccine Storage (new standard)
  PINS Date: Dec 12, 2014 | Public Review Date: Jan 1, 2021 | Final Action Date: Mar 8, 2021 | Approved

- ANSI/NSF 456-2021a (i2r1), NSF 456-2021: Vaccine Storage (revision of ANSI/NSF 456-2021)
  Public Review Date: Mar 26, 2021 | Final Action Date: Apr 25, 2021 | Approved

- ANSI/NSF 456-2021a (i3r1), NSF 456-2021: Vaccine Storage (revision of ANSI/NSF 456-2021)
  Public Review Date: Mar 26, 2021 | Final Action Date: Apr 25, 2021 | Approved

- ANSI/NSF 456-2021a (i4r1), NSF 456-2021: Vaccine Storage (revision of ANSI/NSF 456-2021)
  Public Review Date: Mar 26, 2021 | Final Action Date: Apr 25, 2021 | Approved

- ANSI/NSF 456-2021a (i5r1), NSF 456-2021: Vaccine Storage (revision of ANSI/NSF 456-2021)
  Public Review Date: Mar 26, 2021 | Final Action Date: Apr 26, 2021 | Approved

- ANSI/NSF 456-2021a (i6r1), NSF 456-2021: Vaccine Storage (revision of ANSI/NSF 456-2021)
  Public Review Date: Mar 26, 2021 | Final Action Date: Apr 26, 2021 | Approved

- ANSI/NSF 457-2017 (i1r2ADJ), NSF/ANSI 457 Sustainability Leadership Standard for Photovoltaic Modules (new standard)
  PINS Date: Dec 26, 2014 | Public Review Date: Sep 1, 2017 | Final Action Date: Oct 16, 2017 | Approved

  Public Review Date: May 31, 2019 | Final Action Date: Jul 15, 2019 | Approved

  Public Review Date: Jun 7, 2019 | Final Action Date: Jul 22, 2019 | Approved
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<td>May 13, 2016</td>
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- ANSI/NSF 49-2017 (i73Br5), Biosafety Cabinetry: Design, Construction, Performance, and Field Certification  (revision of ANSI/NSF 49-2006 (i11))
  Public Review Date: Jan 20, 2017 | Final Action Date: Feb 19, 2017 | Approved

  Public Review Date: Feb 3, 2017 | Final Action Date: Mar 5, 2017 | Approved

  Public Review Date: Dec 29, 2017 | Final Action Date: Mar 23, 2018 | Approved

- ANSI/NSF 49-2018 (i108r4), NSF 49 - Biosafety Cabinetry  (revision of ANSI/NSF 49-2016)
  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)
  Public Review Date: Dec 15, 2017 | Final Action Date: Mar 16, 2018 | Approved

  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)
  Public Review Date: Dec 15, 2017 | Final Action Date: Mar 9, 2018 | Approved

  Public Review Date: Mar 9, 2018 | Final Action Date: May 8, 2018 | Approved

  Public Review Date: Apr 6, 2018 | Final Action Date: May 8, 2018 | Approved

  Public Review Date: Feb 23, 2018 | Final Action Date: Apr 6, 2018 | Approved

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

  Public Review Date: Mar 4, 2022 | Final Action Date: Aug 9, 2022 | Approved

- ANSI/NSF 49-2022 (i142r1), Biosafety Cabinetry: Design, Construction, Performance, and Field Certification (revision of ANSI/NSF 49-2020)
  Public Review Date: Mar 25, 2022 | Final Action Date: Aug 18, 2022 | 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)
  Public Review Date: Apr 26, 2019 | Final Action Date: May 26, 2019 | Approved

  Public Review Date: Feb 15, 2019 | Final Action Date: Mar 17, 2019 | Approved

- ANSI/NSF 50-2015 (i100r1), Equipment for Swimming Pools, Spas, Hot Tubs and Other Recreational Water Facilities (revision of ANSI/NSF 50-2014)
  Public Review Date: Feb 27, 2015 | Final Action Date: Jul 15, 2015 | Approved

  Public Review Date: Jun 26, 2015 | Final Action Date: Aug 13, 2015 | Approved

  Public Review Date: Nov 21, 2014 | Final Action Date: May 4, 2015 | Approved

  Public Review Date: Nov 28, 2014 | Final Action Date: Jan 26, 2015 | Approved

  Public Review Date: Aug 15, 2014 | Final Action Date: Jan 27, 2015 | Approved

  Public Review Date: Aug 15, 2014 | Final Action Date: Mar 8, 2016 | Approved

  Public Review Date: Mar 18, 2016 | Final Action Date: May 29, 2016 | Approved

  Public Review Date: Aug 19, 2016 | Final Action Date: Sep 27, 2016 | Approved
Public Review Date: Apr 29, 2016 | Final Action Date: May 31, 2016 | **Approved**

**ANSI/NSF 50-2016 (i113r2), Equipment for Swimming Pools, Spas, Hot Tubs and Other Recreational Water Facilities (revision of ANSI/NSF 50-2015 and BSR/NSF 50-201x (i113r1))**  
Public Review Date: Jul 8, 2016 | Final Action Date: Aug 23, 2016 | **Approved**

Public Review Date: Jun 3, 2016 | Final Action Date: Jul 7, 2016 | **Approved**

**ANSI/NSF 50-2016 (i118r1), Equipment for Swimming Pools, Spas, Hot Tubs and Other Recreational Water Facilities (revision of ANSI/NSF 50-2016)**  
Public Review Date: Nov 4, 2016 | Final Action Date: Dec 30, 2016 | **Approved**

**ANSI/NSF 50-2016 (i89r1), Equipment for Swimming Pools, Spas, Hot Tubs and Other Recreational Water Facilities (revision of ANSI/NSF 50-2013)**  
Public Review Date: Aug 15, 2014 | Final Action Date: Feb 19, 2016 | **Approved**

Public Review Date: Aug 15, 2014 | Final Action Date: Jul 7, 2016 | **Approved**

Public Review Date: Jul 1, 2016 | Final Action Date: Feb 6, 2017 | **Approved**

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Public Review Date: Nov 11, 2016 | Final Action Date: Jan 10, 2017 | **Approved**

Public Review Date: Dec 2, 2016 | Final Action Date: Jul 5, 2017 | **Approved**

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Public Review Date: Dec 2, 2016 | Final Action Date: Feb 10, 2017 | **Approved**

Public Review Date: Dec 23, 2016 | Final Action Date: Jun 4, 2017 | **Approved**

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  - Public Review Date: May 26, 2017 | Final Action Date: Aug 25, 2017 | Approved

  - Public Review Date: Jun 30, 2017 | Final Action Date: Aug 31, 2017 | Approved

  - Public Review Date: Nov 17, 2017 | Final Action Date: Dec 19, 2017 | Approved

  - Public Review Date: Jan 26, 2018 | Final Action Date: Feb 26, 2018 | Approved

  - Public Review Date: Jan 20, 2017 | Final Action Date: Mar 13, 2018 | Approved

  - Public Review Date: Dec 1, 2017 | Final Action Date: Feb 23, 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

- ANSI/NSF 50-2018 (i134r1), NSF 50 Equipment for Swimming Pools, Spas, Hot Tubs and Other Recreational Water Facilities (revision of ANSI/NSF 50-2016a)
  - Public Review Date: Dec 22, 2017 | Final Action Date: Feb 21, 2018 | Approved

  - Public Review Date: Nov 24, 2017 | Final Action Date: Mar 11, 2018 | Approved

- ANSI/NSF 50-2018 (i135r2), NSF 50 Equipment for Swimming Pools, Spas, Hot Tubs and Other Recreational Water Facilities (revision of ANSI/NSF 50-2016a)
  - Public Review Date: Feb 9, 2018 | Final Action Date: Mar 11, 2018 | Approved

  - Public Review Date: Dec 15, 2017 | Final Action Date: Feb 20, 2018 | Approved

  - Public Review Date: Dec 29, 2017 | Final Action Date: Mar 5, 2018 | Approved

  - Public Review Date: Mar 22, 2019 | Final Action Date: Jul 31, 2019 | Approved

  - Public Review Date: Jan 25, 2019 | Final Action Date: Jul 18, 2019 | Approved
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  Public Review Date: Dec 14, 2018 | Final Action Date: Jul 4, 2019 | Approved

  Public Review Date: Nov 16, 2018 | Final Action Date: Aug 29, 2019 | Approved

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

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

  Public Review Date: May 17, 2019 | Final Action Date: Jun 16, 2019 | Approved
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ANSI/NSF 53-2014 (i92), Drinking Water Treatment Units - Health Effects  (revision of ANSI/NSF 53-2013)
Public Review Date: May 9, 2014 | Final Action Date: Oct 16, 2014 | Approved

ANSI/NSF 53-2015 (i100), Drinking Water Treatment Systems - Health Effects  (revision of ANSI/NSF 53-2014)
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ANSI/NSF 53-2015 (i85r5), Drinking Water Treatment Units - Health Effects  (revision of ANSI/NSF 53-2014)
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ANSI/NSF 53-2015 (i98r1), Drinking water treatment units - Health effects  (revision of ANSI/NSF 53-2014)
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ANSI/NSF 53-2015 (i99r2), Drinking water treatment units - Health effects  (revision of ANSI/NSF 53-2014)
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ANSI/NSF 53-2016 (i104r1), NSF 53-2016 - Drinking Water Treatment Units - Health Effects  (revision of ANSI/NSF 53-2015)
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ANSI/NSF 53-2016 (i87r1), Drinking Water Treatment Units - Health Effects  (revision of ANSI/NSF 53-2015)
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ANSI/NSF 53-2017 (i103r1), Drinking Water Treatment Units - Health Effects  (revision of ANSI/NSF 53-2016)
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ANSI/NSF 53-2017 (i106r1), Drinking Water Treatment Units - Health Effects  (revision of ANSI/NSF 53-2016)
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Public Review Date: Jun 22, 2018 | Final Action Date: Jul 31, 2018 | Approved

ANSI/NSF 53-2018 (i113r1), NSF 53 - Drinking Water Treatment Units – Health Effects  (revision of ANSI/NSF 53-2018)
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Public Review Date: Oct 5, 2018 | Final Action Date: Nov 19, 2018 | Approved

Public Review Date: Aug 2, 2019 | Final Action Date: Sep 9, 2019 | Approved
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- ANSI/NSF 61-2016 (i130), Drinking Water System Components - Health effects (revision of ANSI/NSF 61-2015)
  Public Review Date: Dec 4, 2015 | Final Action Date: Jan 18, 2016 | Approved

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- ANSI/NSF 61-2017 (i134r1), Drinking Water System Components - Health Effects (revision of ANSI/NSF 61-2016)
  Public Review Date: Nov 25, 2016 | Final Action Date: Jun 22, 2017 | Approved

- ANSI/NSF 61-2017 (i135r1), Drinking Water System Components - Health Effects (revision of ANSI/NSF 61-2016)
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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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  Public Review Date: Feb 2, 2018 | Final Action Date: Mar 6, 2018 | Approved

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NSF (NSF International)

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  Public Review Date: Aug 16, 2019 | Final Action Date: Sep 19, 2019 | Approved

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  Public Review Date: Jul 2, 2021 | Final Action Date: Aug 16, 2021 | Approved

  Public Review Date: Aug 27, 2021 | Final Action Date: Oct 11, 2021 | Approved

- ANSI/NSF 7-2016 (i13r1), Commercial Refrigerators and Freezers (revision of ANSI/NSF 7-2014)
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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)
  Public Review Date: Jan 22, 2016 | Final Action Date: Jul 7, 2016 | Approved

- ANSI/NSF 7-2016 (i9r1), Commercial Refrigerators and Freezers (revision of ANSI/NSF 7-2014)
  Public Review Date: Feb 19, 2016 | Final Action Date: May 6, 2016 | Approved

- ANSI/NSF 7-2019 (i20r3), NSF 7 - Commercial Refrigerators and Freezers (revision of ANSI/NSF 7-2016)
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- ANSI/NSF 7-2019 (i21r2), NSF 7 - Commercial Refrigerators and Freezers (revision of ANSI/NSF 7-2016)
  Public Review Date: Dec 21, 2018 | Final Action Date: Oct 17, 2019 | Approved
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ANSI/NSF/CAN 60-2019 (i80r1), NSF 60 - Drinking Water Treatment Chemicals – Health Effects (revision of ANSI/NSF 60-2018)
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ANSI/NSF/CAN 60-2019 (i83r1), NSF/CAN 60 - Drinking Water Treatment Chemicals – Health Effects (revision and redesignation of ANSI/NSF 60-2018)
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ANSI/NSF/CAN 60-2021 (i94r1), Drinking Water Treatment Chemicals – Health Effects (revision of ANSI/NSF/CAN 60-2020)
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ANSI/NSF/CAN 600-2018 (i1r1), NSF 600 - Health Effects Evaluation and Criteria for Chemicals in Drinking Water (new standard)
PINS Date: Jun 1, 2018 | Public Review Date: Aug 31, 2018 | Final Action Date: Oct 15, 2018 | Approved

ANSI/NSF/CAN 600-2018 (i2r1), Health Effects Evaluation and Criteria for Chemicals in Drinking Water (revision of ANSI/NSF/CAN 600-2018 (i1r1))
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ANSI/NSF/CAN 600-2021 (i6r1), 600-2021 Addendum (addenda to ANSI/NSF/CAN 600-2021)
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### NW&RA (ASC Z245) (National Waste & Recycling Association)

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## NW&RA (ASC Z245) (National Waste & Recycling Association)

- **ANSI Z245.2-2013**, Stationary Compactors - Safety Requirements for Installation, Maintenance, Operation, Modification and Repair  (revision of ANSI Z245.2-2008)
  - PINS Date: Aug 15, 2008 | Public Review Date: Jun 21, 2013 | Final Action Date: Dec 4, 2013 | Approved

  - PINS Date: Apr 6, 2012 | Public Review Date: Mar 1, 2013 | Final Action Date: May 1, 2013 | Approved

- **ANSI Z245.30-2018**, Waste Containers - Safety Requirements  (new standard)
  - PINS Date: Jul 13, 2012 | Public Review Date: Aug 11, 2017 | Final Action Date: Jul 19, 2018 | Approved

  - PINS Date: Jun 14, 2013 | Public Review Date: Jul 24, 2015 | Final Action Date: Oct 6, 2015 | Approved

  - PINS Date: Aug 15, 2008 | Public Review Date: Nov 11, 2011 | Final Action Date: Mar 27, 2012 | Approved

- **ANSI Z245.5-2013**, Equipment Technology and Operations for Wastes and Recyclable Materials - Baling Equipment -- Safety Requirements for Installation, Maintenance and Operation  (revision of ANSI Z245.5-2008)
  - PINS Date: Aug 15, 2008 | Public Review Date: Mar 1, 2013 | Final Action Date: May 1, 2013 | Approved

  - PINS Date: Aug 15, 2008 | Public Review Date: Mar 1, 2013 | Final Action Date: May 1, 2013 | Approved

- **ANSI Z245.60-2018**, Waste Containers - Compatibility Dimensions  (new standard)
  - PINS Date: Jul 13, 2012 | Public Review Date: Aug 11, 2017 | Final Action Date: Jul 19, 2018 | Approved

## OEOSC (ASC OP) (Optics and Electro-Optics Standards Council)

  - Public Review Date: Mar 11, 2022 | Final Action Date: Jun 2, 2022 | Approved

  - PINS Date: Feb 14, 2020 | Public Review Date: Mar 11, 2022 | Final Action Date: Jul 14, 2022 | Approved

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  - PINS Date: Mar 1, 2013 | Public Review Date: Sep 20, 2019 | Final Action Date: Feb 24, 2020 | Approved

- **ANSI/OEOSC OP1.0110-10-2014**, Standard for Optics and Electro-Optical Instruments - Preparation of drawings for optical elements and systems - Part:10 Table representing data of optical elements and cemented assemblies (national adoption with modifications of ISO 10110-10)
  - PINS Date: Jul 9, 2010 | Public Review Date: Oct 31, 2014 | Final Action Date: Dec 18, 2014 | Approved

- **ANSI/OEOSC OP1.0110-12-2014**, Optics and Electro-Optical Instruments - Preparation of Drawings for Optical Elements and Systems - Part 12: Aspheric Surfaces (national adoption with modifications of ISO 10110-12)
  - PINS Date: Jul 9, 2010 | Public Review Date: Feb 8, 2013 | Final Action Date: Oct 31, 2014 | Approved

  - PINS Date: Jun 24, 2011 | Public Review Date: Mar 28, 2014 | Final Action Date: Dec 30, 2015 | Approved

  - PINS Date: Jan 18, 2013 | Public Review Date: Jan 3, 2014 | Final Action Date: Dec 18, 2014 | Approved

  - Public Review Date: Jan 3, 2014 | Final Action Date: Dec 17, 2014 | Approved

## OIX (Open-IX Association)

- **ANSI/OIX 1-2020**, Open-IX Certified Internet Exchange (new standard)
  - PINS Date: Oct 5, 2018 | Public Review Date: Jan 11, 2019 | Final Action Date: Jul 23, 2020 | Approved

- **ANSI/OIX 2-2020**, Data Center Technical Standard (new standard)
  - PINS Date: Oct 5, 2018 | Public Review Date: Jan 11, 2019 | Final Action Date: Aug 26, 2020 | Approved

- **ANSI/OIX 3-2021**, Edge Technical Standard (new standard)
  - PINS Date: Mar 5, 2021 | Public Review Date: Apr 23, 2021 | Final Action Date: Jun 10, 2021 | Approved

## OPEI (Outdoor Power Equipment Institute)

  - PINS Date: Jan 28, 2022 | Public Review Date: Apr 8, 2022 | Final Action Date: May 27, 2022 | Approved

  - PINS Date: Aug 16, 2013 | Public Review Date: Jun 7, 2019 | Final Action Date: Sep 5, 2019 | Approved
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<td>ANSI/OPEI B175.1-2021, (Standard) for Outdoor Power Equipment - Internal Combustion Engine-Powered Hand-Held Chain Saws - Safety and Environmental Requirements</td>
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<td>ANSI/OPEI B175.2-2012 (R2019), Standard for Outdoor Power Equipment - Internal Combustion Engine-Powered Handheld and Backpack Blowers and Blower-Vacuums - Safety Requirements and Performance Testing Procedures</td>
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<td>ANSI/OPEI B175.3-2019, (Standard) for Outdoor Power Equipment Internal Combustion Engine-Powered Hand-Held Grass Trimmers and Brushcutters - Safety and Environmental Requirements</td>
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<td>ANSI/OPEI B175.4-2018, Standard for Outdoor Power Equipment - Portable, Handheld, Internal Combustion Engine-Powered Cut-off Machines - Safety and Environmental Requirements</td>
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<td>ANSI/OPEI B175.6-2018, Standard for Outdoor Power Equipment - Internal Combustion Engine-Powered Hand-Held Hedge Trimmers - Safety and Environmental Requirements</td>
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**OPEI (Outdoor Power Equipment Institute)**

- ANSI/OPEI B71.7-2018, Powered Consumer Ram-Type Log Splitters - Safety Specifications (new standard)
  PINS Date: May 11, 2012 | Public Review Date: Dec 15, 2017 | Final Action Date: Aug 8, 2018 | Approved

- ANSI/OPEI B71.8-2016, Powered Walk-Behind Rotary Tillers and Hand-Supported Cultivators - Safety Specifications (revision of ANSI/OPEI B71.8-1996 (R2005))
  PINS Date: Feb 3, 2012 | Public Review Date: Jul 10, 2015 | Final Action Date: Jan 13, 2016 | Approved

- ANSI/OPEI B71.9-2016, Multipurpose Off-Highway Utility Vehicles (revision of ANSI/OPEI B71.9-2012)
  PINS Date: Mar 29, 2013 | Public Review Date: Mar 4, 2016 | Final Action Date: May 13, 2016 | Approved

  PINS Date: Feb 26, 2016 | Public Review Date: Dec 13, 2019 | Final Action Date: May 21, 2019 | Approved

  PINS Date: Aug 28, 2015 | Public Review Date: Dec 13, 2019 | Final Action Date: Aug 7, 2020 | Approved

**PCI (Precast/Prestressed Concrete Institute)**

200 West Adams Street, Suite 2100, Chicago, IL 60606-5230 | w: www.pci.org

  PINS Date: Jun 16, 2017 | Public Review Date: Nov 23, 2018 | Final Action Date: May 21, 2019 | Approved

**PDA (Parenteral Drug Association)**

Bethesda Towers, 4350 East-West Highway, Suite 600, Bethesda, MD 20814 | w: www.pda.org

- ANSI/PDA Standard 001-2020, Enhanced Purchasing Controls to Support the Bio-Pharmaceutical, Pharmaceutical, Medical Devices and Combination Products Industries (new standard)
  PINS Date: Jun 15, 2018 | Public Review Date: Sep 20, 2019 | Final Action Date: Mar 13, 2020 | Approved

  PINS Date: Jun 15, 2018 | Public Review Date: Jun 18, 2021 | Final Action Date: Dec 13, 2021 | Approved

- ANSI/PDA Standard 04-2021, Phage Retention Nomenclature Rating for Small and Large Virus-Retentive Filters (new standard)
  PINS Date: Mar 29, 2019 | Public Review Date: Aug 7, 2020 | Final Action Date: Jan 28, 2021 | Approved

- ANSI/PDA Standard 05-2021, Consensus Method for Rating Filters for Mycoplasma Reduction (new standard)
  PINS Date: Jul 5, 2019 | Public Review Date: Jan 15, 2021 | Final Action Date: Jun 10, 2021 | Approved

**PEARL (Professional Electrical Apparatus Recyclers League)**

17 Faulkner Drive, Niantic, CT 06357 | w: www.pearl1.org

  PINS Date: Feb 14, 2014 | Public Review Date: Sep 8, 2017 | Final Action Date: Sep 25, 2018 | Approved

**PGMA (Portable Generator Manufacturers Association)**

1300 Sumner Avenue, Cleveland, OH 44115-2851 | w: www.pgmaonline.com
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<td>ANSI/PLASTICS B151.11-2021, Safety Requirements for Granulators, Strand Pelletizers and Dicers Used for Size Reduction of Plastics (new standard)</td>
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<td>ANSI/PLASTICS B151.20-2013 (R2018), Safety Requirements for Plastic Sheet Production Machinery (reaffirmation and redesignation of ANSI/SP1 B151.20-2013)</td>
<td>Oct 12, 2018</td>
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<td>Approved</td>
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<td>ANSI/PLASTICS B151.31-2014 (R2020), Safety Requirements for the Manufacture and Use of Blow Molding Machines (reaffirmation and redesignation of ANSI/SP1 B151.31-2014)</td>
<td>Mar 15, 2019</td>
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<td>ANSI/PLASTICS B151.5-2020, Safety Requirements for Plastic Film and Sheet Winding and Unwinding Machinery (new standard)</td>
<td>Jul 20, 2018</td>
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<td>Mar 5, 2020</td>
<td>Approved</td>
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<td>ANSI/PLASTICS B151.7-2013 (R2021), Safety Requirements for Extrusion Machines (reaffirmation and redesignation of ANSI/SP1 B151.7-2013)</td>
<td>Jan 18, 2019</td>
<td>Mar 5, 2021</td>
<td>Sep 24, 2021</td>
<td>Approved</td>
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**PMI (Organization) (Project Management Institute)**

14 Campus Boulevard, Newtown Square, PA  19073-3299 | w: www.pmi.org

  PINS Date: Feb 6, 2015 | Public Review Date: May 5, 2017 | Final Action Date: Jul 21, 2017 | Approved

  PINS Date: Oct 30, 2015 | Public Review Date: Sep 13, 2019 | Final Action Date: Oct 29, 2019 | Approved

  PINS Date: Jul 5, 2019 | Public Review Date: Jun 12, 2020 | Final Action Date: Feb 16, 2021 | Approved

  PINS Date: Apr 3, 2015 | Public Review Date: Aug 11, 2017 | Final Action Date: Oct 18, 2017 | Approved

  PINS Date: Oct 14, 2016 | Public Review Date: Aug 11, 2017 | Final Action Date: Oct 30, 2017 | Approved

**PMMI (Organization) (PMMI - The Association for Packaging and Processing Technologies)**

12930 Worldgate Dr, Suite 200, Herndon, VA  20170-6037 | w: www.pmmi.org

- ANSI/PMMI B155.1-2016, Safety Requirements for Packaging and Processing Machinery  (revision of ANSI/PMMI B155.1-2011)
  PINS Date: Nov 6, 2015 | Public Review Date: Nov 9, 2018 | Final Action Date: Nov 18, 2016 | Approved

**PRCA (Professional Ropes Course Association)**

6260 East Riverside Boulevard #104, Rockford, IL  61114 | w: www.prcainfo.org

- ANSI/PRCA 1.0-3-2014, Ropes Challenge Course Installation, Operation & Training Standards  (new standard)
  PINS Date: Dec 23, 2005 | Public Review Date: Oct 21, 2011 | Final Action Date: Mar 3, 2014 | Approved

**PSAI (Portable Sanitation Association International)**

1000 Westgate Drive, Suite 252, Saint Paul, MN  55114 | w: www.psai.org

  PINS Date: Dec 13, 2013 | Public Review Date: Jan 29, 2016 | Final Action Date: May 19, 2016 | Approved

- ANSI/PSAI Z4.4-2016, Sanitation in Fields and Temporary Labor Camps: Minimum Requirements  (new standard)
  PINS Date: Dec 13, 2013 | Public Review Date: Jan 29, 2016 | Final Action Date: May 19, 2016 | Approved

**RESNA (Rehabilitation Engineering and Assistive Technology Society of North America)**

2001 K Street, NW, 3rd Floor North, Washington, DC  20006 | w: www.resna.org

  PINS Date: Aug 19, 2016 | Public Review Date: Aug 10, 2018 | Final Action Date: Nov 5, 2019 | Approved

  PINS Date: May 26, 2017 | Public Review Date: Nov 24, 2017 | Final Action Date: May 4, 2018 | Approved

- ANSI/RESNA AT-1-Section 4-2021, RESNA Standard for Assistive Technology for Air Travel – Volume 1 Requirements and Test Methods Related to Mobility Devices (new standard)
  PINS Date: Sep 18, 2020 | Public Review Date: Jun 25, 2021 | Final Action Date: Sep 16, 2021 | Approved
RESNA (Rehabilitation Engineering and Assistive Technology Society of North America)

  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

  PINS Date: Jun 9, 2017 | Public Review Date: Jul 13, 2018 | Final Action Date: Feb 15, 2019 | Approved

  PINS Date: Sep 21, 2012 | Public Review Date: Feb 8, 2019 | Final Action Date: Jun 5, 2019 | Approved

  PINS Date: Sep 21, 2012 | Public Review Date: Feb 8, 2019 | Final Action Date: Jun 5, 2019 | Approved

  PINS Date: Feb 7, 2014 | Public Review Date: Aug 10, 2018 | Final Action Date: Jan 16, 2019 | Approved

  PINS Date: Apr 5, 2013 | Public Review Date: May 5, 2017 | Final Action Date: Nov 27, 2017 | Approved

RESNET (Residential Energy Services Network, Inc.)
P.O. Box 4561, Oceanside, CA 92052 | w: www.resnet.us.com

  Public Review Date: Oct 8, 2021 | Final Action Date: Dec 17, 2021 | Approved

  PINS Date: Apr 26, 2019 | Public Review Date: Mar 20, 2020 | Final Action Date: Jun 23, 2020 | Approved

  Public Review Date: Nov 19, 2021 | Final Action Date: Feb 3, 2022 | Approved

  Public Review Date: May 27, 2022 | Final Action Date: Jul 29, 2022 | Approved
RESNET (Residential Energy Services Network, Inc.)

  - Public Review Date: Sep 7, 2018 | Final Action Date: Nov 20, 2018 | Approved

  - Public Review Date: Feb 18, 2022 | Final Action Date: May 10, 2022 | Approved

  - PINS Date: Apr 24, 2015 | Public Review Date: Jul 26, 2019 | Final Action Date: Mar 23, 2020 | Approved

RIC (Remanufacturing Industries Council)
150 Lucius Gordon Drive, Suite 127, West Henrietta, NY 14586 | w: www.remancouncil.org

- ANSI/RIC 001.2-2021, Specifications for the Process of Remanufacturing (revision of ANSI/RIC 001.1-2016)
  - PINS Date: Oct 9, 2020 | Public Review Date: Jul 23, 2021 | Final Action Date: Oct 22, 2021 | Approved

ROHVA (Recreational Off-Highway Vehicle Association)
2 Jenner Street, Suite 150, Irvine, CA 92618

  - PINS Date: Jun 19, 2015 | Public Review Date: Feb 19, 2016 | Final Action Date: Apr 18, 2016 | Approved

RVIA (Recreational Vehicle Industry Association)
3333 Middlebury Street, Elkhart, IN 46516 | w: www.rvia.org

- ANSI A119.5-2020, Park Model Recreational Vehicle Standard (revision of ANSI A119.5-2015)
  - PINS Date: Nov 2, 2018 | Public Review Date: Jan 9, 2020 | Approved

  - PINS Date: Aug 6, 2021 | Public Review Date: May 3, 2022 | Approved

- ANSI/RVIA EXTLAD-1-2019, Recommended Practice Laboratory Test Procedures for Exterior Ladders on Recreational Vehicles (new standard)
  - PINS Date: Jun 30, 2017 | Public Review Date: Jul 19, 2019 | Approved

  - PINS Date: Nov 2, 2018 | Public Review 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: 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: Apr 10, 2018 | Approved

- ANSI/RVIA UPA-1-2019, Uniform Plan Approval Recreational Vehicles (revision of ANSI/RVIA UPA-1-2014)
  - PINS Date: Apr 13, 2018 | Public Review Date: Mar 8, 2019 | Approved
SAAMI (Sporting Arms and Ammunition Manufacturers Institute)
11 Mile Hill Road, Newtown, CT 06470-2359 | w: www.saami.org

  PINS Date: May 12, 2017 | Public Review Date: Nov 9, 2018 | Final Action Date: Jun 13, 2018 | Approved

  PINS Date: Mar 16, 2018 | Public Review Date: Feb 22, 2019 | Final Action Date: Apr 23, 2019 | Approved

- ANSI/SAAMI Z299.3-2015, Voluntary Performance Standards for Pressure and Velocity of Centerfire Pistol and Revolver Ammunition for Use by Commercial Manufacturers (new standard)
  PINS Date: Mar 25, 2005 | Public Review Date: Nov 9, 2018 | Final Action Date: Dec 14, 2015 | Approved

- ANSI/SAAMI Z299.4-2015, Voluntary Industry Performance Standards for Pressure and Velocity of Centerfire Rifle Sporting Ammunition for Use by Commercial Manufacturers (new standard)
  PINS Date: Mar 25, 2005 | Public Review Date: Nov 9, 2018 | Final Action Date: Dec 14, 2015 | Approved

  PINS Date: May 22, 2015 | Public Review Date: Nov 9, 2018 | Final Action Date: Mar 14, 2016 | Approved

SAE (SAE International)
755 West Big Beaver Road, Suite 1600, Troy, MI 48084 | w: www.sae.org

  PINS Date: Sep 25, 2009 | Public Review Date: Mar 12, 2010 | Final Action Date: May 27, 2010 | Approved

  PINS Date: May 29, 2015 | Public Review Date: Jun 1, 2018 | Final Action Date: Mar 21, 2019 | Approved

SAIA (ASC A11) (Scaffold & Access Industry Association)
400 Admiral Boulevard, Kansas City, MO 64106 | w: www.saiaonline.org

  PINS Date: Aug 5, 2016 | Public Review Date: May 10, 2019 | Final Action Date: Nov 21, 2019 | Approved

SAIA (ASC A92) (Scaffold & Access Industry Association)
400 Admiral Boulevard, Kansas City, MO 64106 | w: www.saiaonline.org

  Public Review Date: Aug 1, 2014 | Final Action Date: Dec 17, 2014 | Approved

  PINS Date: May 8, 2020 | Public Review Date: Jan 8, 2021 | Final Action Date: Jul 28, 2021 | Approved

  PINS Date: Dec 18, 2020 | Public Review Date: Jan 22, 2021 | Final Action Date: Aug 5, 2021 | Approved
### SAIA (ASC A92) (Scaffold & Access Industry Association)

  - PINS Date: Dec 18, 2020 | Public Review Date: Jan 22, 2021 | Final Action Date: Aug 5, 2021 | Approved

  - 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 Philips Road, Exton, PA 19341-1318 | w: www.scte.org

  - PINS Date: Feb 28, 2020 | Public Review Date: Apr 30, 2021 | Final Action Date: Jun 18, 2021 | Approved

  - 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

- **ANSI/SCTE 04-2021**, Test Method for F Connector Return Loss  (revision of ANSI/SCTE 04-2014)
  - PINS Date: Sep 7, 2018 | Public Review Date: Dec 3, 2021 | Final Action Date: Feb 28, 2022 | Approved

  - PINS Date: Sep 7, 2018 | Public Review Date: Dec 3, 2021 | Final Action Date: May 20, 2022 | 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

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  - PINS Date: Sep 7, 2018 | Public Review Date: Nov 19, 2021 | Final Action Date: Jan 18, 2022 | Approved

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  - PINS Date: Apr 17, 2015 | Public Review Date: Nov 25, 2016 | Final Action Date: Jan 11, 2017 | Approved

  - 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)

  - 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

  - PINS Date: Dec 25, 2015 | Public Review Date: Apr 2, 2021 | Final Action Date: Jun 17, 2021 | Approved

  - PINS Date: Feb 21, 2020 | Public Review Date: Oct 22, 2021 | Final Action Date: Jan 5, 2022 | Approved

  - PINS Date: Jan 17, 2020 | Public Review Date: Feb 28, 2020 | Final Action Date: Nov 12, 2021 | Approved

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  - 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

  - PINS Date: Dec 25, 2015 | Public Review Date: May 25, 2018 | Final Action Date: Feb 1, 2019 | Approved

  - PINS Date: Oct 18, 2019 | Public Review Date: Sep 18, 2020 | Final Action Date: Nov 4, 2020 | Approved

  - PINS Date: Oct 18, 2019 | Public Review Date: Sep 18, 2020 | Final Action Date: Nov 4, 2020 | Approved

  - PINS Date: Nov 15, 2019 | Public Review Date: Sep 18, 2020 | Final Action Date: Nov 4, 2020 | Approved

  - PINS Date: Mar 2, 2018 | Public Review Date: Jul 10, 2020 | Final Action Date: Sep 3, 2020 | Approved
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<td>ANSI/SCTE 130-6-2020</td>
<td>Digital Program Insertion–Advertising Systems Interfaces Part 6: Subscriber Information Service (SIS)</td>
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<td>ANSI/SCTE 135-1-2018</td>
<td>DOCSIS 3.0 Part 1: Physical Layer Specification</td>
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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: Feb 5, 2021 | Public Review Date: Oct 29, 2021 | Final Action Date: Jan 7, 2022 | Approved

PINS Date: Feb 5, 2021 | Public Review Date: Oct 29, 2021 | Final Action Date: Jan 7, 2022 | Approved

PINS Date: Feb 5, 2021 | Public Review Date: Oct 29, 2021 | Final Action Date: Jan 7, 2022 | Approved

- ANSI/SCTE 137-4-2017 (R2021), Modular Head End Architecture Part 4: Edge Resource Manager Interface (reaffirmation of ANSI/SCTE 137-4-2017)
PINS Date: Feb 5, 2021 | Public Review Date: Oct 29, 2021 | Final Action Date: Jan 7, 2022 | Approved

PINS Date: Feb 5, 2021 | Public Review Date: Oct 29, 2021 | Final Action Date: Jan 7, 2022 | Approved

- ANSI/SCTE 137-6-2017 (R2021), Modular Head End Architecture Part 6: Edge QAM Video Stream Interface (reaffirmation of ANSI/SCTE 137-6-2017)
PINS Date: Feb 5, 2021 | Public Review Date: Oct 29, 2021 | Final Action Date: Jan 7, 2022 | Approved

PINS Date: Feb 5, 2021 | Public Review Date: Oct 29, 2021 | Final Action Date: Jan 7, 2022 | Approved

PINS Date: Mar 2, 2018 | Public Review Date: May 17, 2019 | Final Action Date: Jul 15, 2019 | Approved

- ANSI/SCTE 14-2016 (R2022), Test Method for Hex Crimp Tool Verification/Calibration (reaffirmation of ANSI/SCTE 14-2016)
PINS Date: Jan 28, 2022 | Public Review Date: Mar 11, 2022 | Final Action Date: May 6, 2022 | Approved

- ANSI/SCTE 140-2019, Cable Modem IPv4 and IPv6 eRouter Specification (revision of ANSI/SCTE 140-2013)
PINS Date: Mar 2, 2018 | Public Review Date: Apr 26, 2019 | Final Action Date: Jul 15, 2019 | Approved

PINS Date: Feb 5, 2021 | Public Review Date: Jul 30, 2021 | Final Action Date: Oct 22, 2021 | Approved

PINS Date: Mar 2, 2018 | Public Review Date: Jan 11, 2019 | Final Action Date: Mar 8, 2019 | Approved
# Approved American National Standards

**SCTE (Society of Cable Telecommunications Engineers)**

  - PINS Date: Dec 9, 2016 | Public Review Date: Sep 8, 2017 | Final Action Date: Nov 7, 2017 | Approved

  - PINS Date: Nov 15, 2019 | Public Review Date: Feb 25, 2022 | Final Action Date: May 6, 2022 | Approved

- **ANSI/SCTE 146-2021**, Outdoor F Female to F Female Inline Splice (revision of ANSI/SCTE 146-2017)
  - PINS Date: Mar 6, 2020 | Public Review Date: Apr 30, 2021 | Final Action Date: Jul 22, 2021 | Approved

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

  - PINS Date: Feb 15, 2013 | Public Review Date: Sep 9, 2016 | Final Action Date: Nov 1, 2016 | Approved

- **ANSI/SCTE 149-2019**, Test Method for Withstand Tightening Torque - F Female (revision of ANSI/SCTE 149-2013)
  - PINS Date: Mar 2, 2018 | Public Review Date: Apr 5, 2019 | Final Action Date: Jul 15, 2019 | Approved

  - PINS Date: Apr 16, 2021 | Public Review Date: Feb 25, 2022 | Final Action Date: Apr 25, 2022 | Approved

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

- **ANSI/SCTE 151-2021**, Mechanical, Electrical, and Environmental Requirements for RF Traps and Filters (revision of ANSI/SCTE 151-2015)
  - PINS Date: Nov 15, 2019 | Public Review Date: Oct 29, 2021 | Final Action Date: Jan 14, 2022 | Approved

  - PINS Date: Sep 7, 2018 | Public Review Date: Apr 26, 2019 | Final Action Date: Jul 9, 2019 | Approved

  - PINS Date: Apr 23, 2021 | Public Review Date: Dec 3, 2021 | Final Action Date: Feb 7, 2022 | 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

  - PINS Date: Feb 15, 2013 | Public Review Date: May 4, 2018 | Final Action Date: Jul 20, 2018 | Approved

  - PINS Date: Feb 15, 2013 | Public Review Date: May 4, 2018 | Final Action Date: Jul 20, 2018 | Approved

- **ANSI/SCTE 155-2021**, Indoor F Female to F Female Inline Splice (revision of ANSI/SCTE 155-2017)
  - PINS Date: Mar 6, 2020 | Public Review Date: Apr 30, 2021 | Final Action Date: Jul 22, 2021 | Approved

- **ANSI/SCTE 156-2019**, Specification for Mainline Plug (Male) to Cable Interface (revision of ANSI/SCTE 156-2016)
  - PINS Date: Dec 21, 2018 | Public Review Date: Feb 8, 2019 | Final Action Date: Apr 9, 2019 | Approved
ANSI/SCTE 158-2016, Recommended Environmental Condition Ranges for Broadband Communications Equipment (revision of ANSI/SCTE 158-2009)
PINS Date: Dec 6, 2013 | Public Review Date: Nov 4, 2016 | Final Action Date: Dec 27, 2016 | Approved

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PINS Date: Feb 5, 2021 | Public Review Date: Jan 28, 2022 | Final Action Date: Mar 21, 2022 | Approved

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ANSI/SCTE 161-2016, Drop Amplifiers (revision of ANSI/SCTE 161-2009)
PINS Date: Dec 6, 2013 | Public Review Date: Nov 25, 2016 | Final Action Date: Jan 11, 2017 | Approved

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ANSI/SCTE 165-04-2019, IPCablecom 1.5 Part 4: Dynamic Quality-of-Service (revision of ANSI/SCTE 165-4-2009)
PINS Date: Apr 17, 2015 | Public Review Date: Mar 15, 2019 | Final Action Date: May 14, 2019 | Approved

PINS Date: Apr 17, 2015 | Public Review Date: Mar 15, 2019 | Final Action Date: May 14, 2019 | Approved

ANSI/SCTE 165-07-2019, IPCablecom 1.5 Part 7: MTA MIB (revision of ANSI/SCTE 165-7-2009)
PINS Date: Apr 17, 2015 | Public Review Date: Mar 15, 2019 | Final Action Date: May 14, 2019 | Approved

ANSI/SCTE 165-08-2019, IPCablecom 1.5 Part 8: Signaling MIB (revision of ANSI/SCTE 165-8-2009)
PINS Date: Apr 17, 2015 | Public Review Date: Mar 15, 2019 | Final Action Date: May 23, 2019 | Approved

PINS Date: Apr 17, 2015 | Public Review Date: Mar 15, 2019 | Final Action Date: May 21, 2019 | Approved

ANSI/SCTE 165-10-2020, IPCablecom 1.5 Part 10: Security (new standard)
PINS Date: Apr 17, 2015 | Public Review Date: Aug 21, 2020 | Final Action Date: Oct 15, 2020 | Approved

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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

  PINS Date: Apr 10, 2020 | Public Review Date: May 22, 2020 | Final Action Date: Jul 14, 2020 | Approved

  PINS Date: Jan 28, 2022 | Public Review Date: Mar 11, 2022 | Final Action Date: May 6, 2022 | Approved

  PINS Date: Apr 25, 2014 | Public Review Date: Jul 28, 2017 | Final Action Date: Sep 12, 2017 | Approved

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  PINS Date: Feb 5, 2021 | Public Review Date: Jul 30, 2021 | Final Action Date: Oct 22, 2021 | Approved

- ANSI/SCTE 176-2019, Specification for 75 ohm MCX Connector, Male & Female Interface (revision of ANSI/SCTE 176-2011)
  PINS Date: Dec 9, 2016 | Public Review Date: Sep 13, 2019 | Final Action Date: Oct 31, 2019 | Approved

- ANSI/SCTE 177-2018, Specification for Braided 75 , Mini-Series Quad Shield Coaxial Cable for CMTS and SDI cables (revision of ANSI/SCTE 177-2012)
  PINS Date: Jul 7, 2017 | Public Review Date: Aug 3, 2018 | Final Action Date: Oct 18, 2018 | Approved

- ANSI/SCTE 178-2019, Test Method for Cable Weld Integrity (revision of ANSI/SCTE 178-2011)
  PINS Date: Dec 25, 2015 | Public Review Date: Mar 1, 2019 | Final Action Date: Apr 18, 2019 | Approved
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  PINS Date: Aug 5, 2016 | Public Review Date: Oct 21, 2016 | Final Action Date: Dec 15, 2016 | Approved

- ANSI/SCTE 236-2021, Content Metadata (revision of ANSI/SCTE 236-2017)
  PINS Date: Oct 23, 2020 | Public Review Date: Jun 11, 2021 | Final Action Date: Aug 5, 2021 | Approved

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  PINS Date: Feb 5, 2021 | Public Review Date: Feb 4, 2022 | Final Action Date: Apr 12, 2022 | Approved

  PINS Date: Feb 5, 2021 | Public Review Date: Feb 4, 2022 | Final Action Date: Apr 12, 2022 | Approved

- ANSI/SCTE 24-11-2016 (R2022), IPCablecom 1.0 Part 11: Internet Signaling Transport Protocol (ISTP) (reaffirmation of ANSI/SCTE 24-11-2016)
  PINS Date: Feb 5, 2021 | Public Review Date: Feb 4, 2022 | Final Action Date: Apr 12, 2022 | Approved

- ANSI/SCTE 24-12-2016 (R2022), IPCablecom 1.0 Part 12: Trunking Gateway Control Protocol (TGCP) (reaffirmation of ANSI/SCTE 24-12-2016)
  PINS Date: Feb 5, 2021 | Public Review Date: Feb 4, 2022 | Final Action Date: Apr 12, 2022 | Approved

- ANSI/SCTE 24-2-2016 (R2022), IPCablecom 1.0 Part 2: Audio Codec Requirements for the Provision of Bi-directional Audio Service over Cable Television Networks Using Cable Modems (reaffirmation of ANSI/SCTE 24-2-2016)
  PINS Date: May 19, 2017 | Public Review Date: Aug 11, 2017 | Final Action Date: Mar 1, 2018 | Approved

  PINS Date: May 19, 2017 | Public Review Date: Aug 11, 2017 | Final Action Date: Mar 1, 2018 | Approved

  PINS Date: Mar 2, 2018 | Public Review Date: Sep 7, 2018 | Final Action Date: Oct 30, 2018 | Approved

  PINS Date: May 19, 2017 | Public Review Date: Aug 11, 2017 | Final Action Date: Oct 18, 2017 | Approved

- ANSI/SCTE 24-3-2016 (R2022), IPCablecom 1.0 Part 3: Network Call Signaling Protocol for the Delivery of Time-Critical Services over Cable Television Using Data Modems (reaffirmation of ANSI/SCTE 24-3-2016)
  PINS Date: Feb 5, 2021 | Public Review Date: Feb 4, 2022 | Final Action Date: Apr 12, 2022 | Approved

- ANSI/SCTE 24-4-2016 (R2022), IPCablecom 1.0 Part 4: Dynamic Quality of Service for the Provision of Real-Time Services over Cable Television Networks Using Data Modems (reaffirmation of ANSI/SCTE 24-4-2016)
  PINS Date: Feb 5, 2021 | Public Review Date: Feb 4, 2022 | Final Action Date: Apr 12, 2022 | Approved
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<td>ANSI/SCTE 242-4-2018</td>
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<td>PINS Date: Jan 17, 2014</td>
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<td>ANSI/SCTE 250-2020, Real-time Event Signaling and Management API (revision of ANSI/SCTE 250-2019)</td>
<td>PINS Date: Jan 24, 2020</td>
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<td>ANSI/SCTE 252-2018, Attenuation of Common Mode Filters (new standard)</td>
<td>PINS Date: Nov 2, 2018</td>
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<td>ANSI/SCTE 260-1-2020, DPoE Architecture Specification (new standard)</td>
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<td>ANSI/SCTE 271-2021</td>
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ANSI/SCTE 272-2021, Standardized Loading for Reverse-Path Bit Error Ratio Testing (new standard)
PINS Date: Jul 8, 2011 | Public Review Date: Sep 10, 2021 | Final Action Date: Nov 2, 2021 | Approved

PINS Date: Mar 16, 2018 | Public Review Date: Sep 17, 2021 | Final Action Date: Nov 2, 2021 | Approved

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ANSI/SCTE 275-2021, Electrical Grounding and Bonding for Cable Broadband Network Critical Facilities (new standard)
PINS Date: Sep 24, 2021 | Public Review Date: Jan 28, 2022 | Final Action Date: Mar 18, 2022 | Approved

ANSI/SCTE 277-2022, Linear Contribution Encoding Specification (new standard)
PINS Date: Dec 31, 2021 | Public Review Date: Apr 29, 2022 | Final Action Date: Jun 22, 2022 | Approved

ANSI/SCTE 278-2022, Standard Data Fields for Outside Plant Power (new standard)
PINS Date: Apr 29, 2022 | Public Review Date: Jun 10, 2022 | Final Action Date: Aug 1, 2022 | Approved

PINS Date: Jan 6, 2017 | Public Review Date: Mar 2, 2018 | Final Action Date: May 21, 2018 | Approved

ANSI/SCTE 29-2018, Torque Requirements for Bond Wire Penetration of Bonding Set Screw (revision of ANSI/SCTE 29-2012)
PINS Date: Dec 2, 2016 | Public Review Date: Nov 23, 2018 | Final Action Date: Feb 5, 2019 | Approved

PINS Date: Jan 15, 2021 | Public Review Date: Nov 19, 2021 | Final Action Date: Jan 18, 2022 | Approved

ANSI/SCTE 31-2016, Test Method for Measuring Diameter Over Core (revision of ANSI/SCTE 31-2008)
PINS Date: Dec 30, 2011 | Public Review Date: Nov 4, 2016 | Final Action Date: Dec 27, 2016 | Approved

ANSI/SCTE 32-2016 (R2021), Ampacity of Coaxial Telecommunications Cables (reaffirmation of ANSI/SCTE 32-2016)
PINS Date: Jan 15, 2021 | Public Review Date: Nov 19, 2021 | Final Action Date: Jan 18, 2022 | Approved

ANSI/SCTE 33-2016, Test Method for Diameter of Drop Cable (revision of ANSI/SCTE 33-2010)
PINS Date: Apr 17, 2015 | Public Review Date: Nov 4, 2016 | Final Action Date: Dec 27, 2016 | Approved

ANSI/SCTE 34-2016 (R2021), Test Method for Cored Depth Verification (reaffirmation of ANSI/SCTE 34-2016)
PINS Date: Mar 26, 2021 | Public Review Date: Nov 19, 2021 | Final Action Date: Jan 18, 2022 | Approved

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  PINS Date: Dec 25, 2015 | Public Review Date: Dec 22, 2017 | Final Action Date: Feb 28, 2018 | Approved

- ANSI/SCTE 38-3-2017, Hybrid Fiber/Coax Outside Plant Status Monitoring SCTE-HMS-COMMON-MIB Management Information Base (MIB) Definition (revision of ANSI/SCTE 38-3-2012)
  PINS Date: Sep 8, 2017 | Public Review Date: Dec 22, 2017 | Final Action Date: Mar 2, 2018 | Approved

- ANSI/SCTE 38-4-2017, Hybrid Fiber/Coax Outside Plant Status Monitoring SCTE-HMS-PS-MIB Management Information Base (MIB) Definition (revision of ANSI/SCTE 38-4-2012)
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- ANSI/SCTE 38-6-2017, Hybrid Fiber/Coax Outside Plant Status Monitoring - SCTE-HMS-GEN-MIB Management Information Base (MIB) Definition (revision of ANSI/SCTE 38-6-2012)
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  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: Mar 2, 2018 | Public Review Date: Nov 19, 2021 | Final Action Date: Jan 18, 2022 | Approved

- ANSI/SCTE 40-2016 (R2021), Digital Cable Network Interface Standard (reaffirmation of ANSI/SCTE 40-2016)
  PINS Date: Jan 15, 2021 | Public Review Date: Jul 30, 2021 | Final Action Date: Oct 22, 2021 | Approved

- ANSI/SCTE 41-2016 (R2021), POD Copy Protection System (reaffirmation of ANSI/SCTE 41-2016)
  PINS Date: Jan 15, 2021 | Public Review Date: Sep 3, 2021 | Final Action Date: Oct 25, 2021 | Approved

- ANSI/SCTE 42-2019, IP Multicast for Digital MPEG Networks (new standard)
  PINS Date: Jul 19, 2019 | Public Review Date: Sep 6, 2019 | Final Action Date: Oct 28, 2019 | Approved

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  PINS Date: Apr 17, 2015 | Public Review Date: Jul 27, 2018 | Final Action Date: Oct 18, 2018 | Approved
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- ANSI/SCTE 46-2014 (R2021), Test Method for AC to DC Outdoor Power Supplies (reaffirmation of ANSI/SCTE 46 -2014)
  PINS Date: Feb 26, 2021 | Public Review Date: Jun 11, 2021 | Final Action Date: Aug 5, 2021 | Approved

  PINS Date: Aug 16, 2019 | Public Review Date: Oct 29, 2021 | Final Action Date: Jan 14, 2022 | Approved

- ANSI/SCTE 48-3-2022, Test Procedure for Measuring Shielding Effectiveness of Coaxial Cable and Connectors Using the GTEM Cell (revision of ANSI/SCTE 48-3-2018)
  PINS Date: Jan 28, 2022 | Public Review Date: May 13, 2022 | Final Action Date: Jul 12, 2022 | Approved

  PINS Date: Dec 25, 2015 | Public Review Date: Nov 19, 2021 | Final Action Date: Jan 18, 2022 | Approved

  PINS Date: Dec 9, 2016 | Public Review Date: May 25, 2018 | Final Action Date: Feb 1, 2019 | Approved

  PINS Date: Mar 2, 2018 | Public Review Date: Sep 7, 2018 | Final Action Date: Oct 30, 2018 | Approved

- ANSI/SCTE 53-2019, Methods for Asynchronous Data Services Transport (new standard)
  PINS Date: Jul 19, 2019 | Public Review Date: Sep 6, 2019 | Final Action Date: Oct 28, 2019 | Approved

  PINS Date: Nov 15, 2019 | Public Review Date: Aug 21, 2020 | Final Action Date: Oct 15, 2020 | Approved

  PINS Date: Jul 19, 2019 | Public Review Date: Sep 6, 2019 | Final Action Date: Oct 28, 2019 | Approved

  PINS Date: Jul 19, 2019 | Public Review Date: Sep 6, 2019 | Final Action Date: Oct 28, 2019 | Approved

- ANSI/SCTE 56-2016 (R2021), Digital Multiprogram Distribution by Satellite (reaffirmation of ANSI/SCTE 56-2016)
  PINS Date: Jan 15, 2021 | Public Review Date: Nov 5, 2021 | Final Action Date: Jan 7, 2022 | Approved

- ANSI/SCTE 57-2016 (R2021), System Information for Satellite Distribution of Digital Television for Cable and MMDS (reaffirmation of ANSI/SCTE 57-2016)
  PINS Date: Jan 15, 2021 | Public Review Date: Sep 3, 2021 | Final Action Date: Oct 25, 2021 | Approved

  PINS Date: Dec 9, 2016 | Public Review Date: Jul 7, 2017 | Final Action Date: Jun 15, 2018 | Approved

  PINS Date: Dec 9, 2016 | Public Review Date: May 25, 2018 | Final Action Date: Feb 1, 2019 | Approved

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- ANSI/SCTE 82-2012 (R2022), Test Method for Low Frequency and Spurious Disturbances (reaffirmation of ANSI/SCTE 82-2012)
  PINS Date: Dec 17, 2021 | Public Review Date: Feb 25, 2022 | Final Action Date: May 6, 2022 | Approved

  PINS Date: Jul 14, 2017 | Public Review Date: Sep 8, 2017 | Final Action Date: Mar 1, 2018 | Approved

  PINS Date: Apr 24, 2015 | Public Review Date: Sep 8, 2017 | Final Action Date: Mar 1, 2018 | Approved

- ANSI/SCTE 83-4-2017, HMS Common Inside Plant Management Information Base (MIB) SCTE-HMS-HE_RF-MIB (revision of ANSI/SCTE 83-4-2009)
  PINS Date: Apr 24, 2015 | Public Review Date: Sep 8, 2017 | Final Action Date: Mar 1, 2018 | Approved

  PINS Date: Apr 24, 2015 | Public Review Date: Sep 8, 2017 | Final Action Date: Mar 1, 2018 | Approved

  PINS Date: Apr 24, 2015 | Public Review Date: Sep 8, 2017 | Final Action Date: Mar 1, 2018 | Approved

- ANSI/SCTE 84-3-2017, HMS Inside Plant Management Information Base (MIB) SCTE-HMS-HE-FAN-MIB (revision of ANSI/SCTE 84-3-2009)
  PINS Date: Apr 24, 2015 | Public Review Date: Sep 8, 2017 | Final Action Date: Mar 1, 2018 | Approved

  PINS Date: Apr 24, 2015 | Public Review Date: Oct 20, 2017 | Final Action Date: Feb 6, 2018 | Approved

  PINS Date: Apr 24, 2015 | Public Review Date: Oct 20, 2017 | Final Action Date: Feb 6, 2018 | Approved

  PINS Date: Apr 24, 2015 | Public Review Date: Oct 20, 2017 | Final Action Date: Feb 14, 2018 | Approved

  PINS Date: Apr 24, 2015 | Public Review Date: Oct 20, 2017 | Final Action Date: Feb 6, 2018 | Approved

- ANSI/SCTE 86-2021, SCTE Recommended Optical Fiber Cable Types for Outside Plant Trunk and Distribution Applications (new standard)
  PINS Date: Apr 17, 2015 | Public Review Date: Apr 16, 2021 | Final Action Date: Jun 18, 2021 | Approved

- ANSI/SCTE 87-2017, Graphic Symbols for Cable Systems (revision and redesignation of ANSI/SCTE 87-1-2008)
  PINS Date: Jul 26, 2013 | Public Review Date: Sep 1, 2017 | Final Action Date: Oct 20, 2017 | Approved

- ANSI/SCTE 88-2012 (R2021), Test Methods for Polyethylene Jacket Longitudinal Shrinkage (reaffirmation of ANSI/SCTE 88-2012)
  PINS Date: May 12, 2017 | Public Review Date: Nov 19, 2021 | Final Action Date: Jan 18, 2022 | Approved

  PINS Date: Dec 6, 2013 | Public Review Date: Apr 10, 2015 | Final Action Date: Jun 4, 2015 | Approved
### SCTE (Society of Cable Telecommunications Engineers)

  - PINS Date: Dec 31, 2021 | Public Review Date: Feb 4, 2022 | Final Action Date: Apr 12, 2022 | Approved

  - PINS Date: Mar 2, 2018 | Public Review Date: Nov 12, 2021 | Final Action Date: Jan 18, 2022 | Approved

  - PINS Date: Apr 24, 2015 | Public Review Date: Oct 20, 2017 | Final Action Date: Feb 6, 2018 | Approved

  - PINS Date: Apr 24, 2015 | Public Review Date: Oct 20, 2017 | Final Action Date: Feb 14, 2018 | Approved

  - PINS Date: Apr 24, 2015 | Public Review Date: May 4, 2018 | Final Action Date: Dec 6, 2018 | Approved

- **ANSI/SCTE 96-2020**, Cable Telecommunications Testing Guidelines (revision of ANSI/SCTE 96-2013)
  - PINS Date: Sep 7, 2018 | Public Review Date: Apr 10, 2020 | Final Action Date: Jun 8, 2020 | Approved

  - PINS Date: Sep 7, 2018 | Public Review Date: Oct 30, 2020 | Final Action Date: Jul 10, 2020 | 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 A250.11-2022**, Recommended Erection Instructions for Steel Frames (revision of ANSI A250.11-2012)
  - PINS Date: Jun 9, 2017 | Public Review Date: Jan 14, 2022 | Final Action Date: Mar 17, 2022 | Approved

  - PINS Date: Jul 22, 2016 | Public Review Date: Aug 16, 2019 | Final Action Date: Nov 14, 2019 | Approved

- **ANSI A250.4-2018**, Test Procedure and Acceptance Criteria for - Physical Endurance for Steel Doors, Frames and Frame Anchors (revision of ANSI A250.4-2011)
  - PINS Date: Jul 22, 2016 | Public Review Date: Apr 27, 2018 | Final Action Date: Jul 10, 2018 | Approved

- **ANSI A250.6-2020**, Recommended Practice for Hardware Reinforcing on Standard Steel Doors and Frames (revision of ANSI A250.6-2015)
  - PINS Date: Feb 21, 2020 | Public Review Date: Jul 3, 2020 | Final Action Date: Aug 18, 2020 | Approved

- **ANSI A250.8-2017**, Specifications for Standard Steel Doors and Frames (SDI-100) (revision of ANSI A250.8-2014)
  - PINS Date: May 19, 2017 | Public Review Date: Jun 23, 2017 | Final Action Date: Aug 22, 2017 | Approved

- **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
SDI (ASC A250) (Steel Door Institute)

ANSI/SDI/BHMA A250.13-2014 (R2018), Testing & Rating of Severe Windstorm Resistant Components for Swinging Door Assemblies for Protection of Building Envelopes (Not applicable for FEMA 320/361 or ICC 500 Shelters) (reaffirmation and redesignation of ANSI A250.13-2014)
Public Review Date: May 25, 2018 | Final Action Date: Jul 27, 2018 | Approved

SDI (Canvass) (Steel Deck Institute)

PO Box 426, Glenshaw, PA  15116 | w: www.sdi.org

PINS Date: Jun 16, 2017 | Public Review Date: Dec 4, 2020 | Final Action Date: May 20, 2021 | Approved

PINS Date: Nov 21, 2014 | Public Review Date: Jun 3, 2016 | Final Action Date: Jan 9, 2017 | Approved

PINS Date: Feb 16, 2018 | Public Review Date: May 22, 2020 | Final Action Date: May 20, 2021 | Approved

PINS Date: Jun 16, 2017 | Public Review Date: May 22, 2020 | Final Action Date: May 20, 2021 | Approved

ANSI/SDI-C-2017, Standard for Composite Steel Floor Deck Slabs (revision of ANSI/SDI C-2011)
PINS Date: Nov 21, 2014 | Public Review Date: Jun 3, 2016 | Final Action Date: Jan 9, 2017 | Approved

SERI (Sustainable Electronics Recycling International)

PO Box 721, Hastings, MN  55033 | w: www.sustainableelectronics.org

ANSI/SERI R2-V3-2020, The Sustainable Electronics Reuse & Recycling (R2) Standard (new standard)
PINS Date: Nov 23, 2018 | Public Review Date: Dec 20, 2019 | Final Action Date: Jul 10, 2020 | Approved

SIA (Security Industry Association)

8405 Colesville Road, Suite 500, Silver Spring, MD  20910 | w: www.siaonline.org

PINS Date: Dec 21, 2018 | Public Review Date: Feb 8, 2019 | Final Action Date: Jun 7, 2019 | Approved

SIMA (Snow and Ice Management Association)

10140 N. Port Washington Road, Milwaukee, WI  53092 | w: http://www.sima.org

ANSI/SIMA 10-2020, Standard Practice for Procuring and Planning Snow and Ice Management Services (new standard)
PINS Date: Jul 5, 2019 | Public Review Date: Nov 8, 2019 | Final Action Date: Jan 15, 2020 | Approved

SJI (Steel Joist Institute)

234 W. Cheves Street, Florence, SC  29501 | w: www.steeljoist.org

PINS Date: Sep 20, 2019 | Public Review Date: Nov 22, 2019 | Final Action Date: Apr 15, 2020 | Approved

PINS Date: Jan 11, 2013 | Public Review Date: Apr 22, 2016 | Final Action Date: Aug 18, 2017 | Approved
### SLAS (Society for Laboratory Automation and Screening)

100 Illinois Street, Suite 242, St. Charles, IL 60174 | w: www.slas.org

  - Public Review Date: Nov 4, 2011 | Final Action Date: Oct 3, 2012 | Approved

  - Public Review Date: Nov 4, 2011 | Final Action Date: Oct 3, 2012 | Approved

  - Public Review Date: Nov 4, 2011 | Final Action Date: Oct 3, 2012 | Approved

  - Public Review Date: Nov 4, 2011 | Final Action Date: Oct 3, 2012 | Approved

- **ANSI/SLAS 6-2012, Standard #6 for Well Bottom Elevation** (new standard)
  - PINS Date: Oct 3, 2008 | Public Review Date: Oct 28, 2011 | Final Action Date: Aug 1, 2012 | Approved

### SMACNA (Sheet Metal and Air-Conditioning Contractors' National Association)

4201 Lafayette Center Drive, Chantilly, VA 20151-1219 | w: www.smacna.org

- **ANSI/SMACNA 002-2011, Rectangular Industrial Duct Construction Standards** (new standard)
  - PINS Date: Dec 25, 2009 | Public Review Date: Apr 22, 2011 | Final Action Date: Jul 11, 2011 | Approved

  - PINS Date: Nov 16, 2012 | Public Review Date: May 24, 2013 | Final Action Date: Aug 26, 2013 | Approved

- **ANSI/SMACNA 006-2020, HVAC Duct Construction Standards - Metal and Flexible** (new standard)
  - PINS Date: Sep 13, 2013 | Public Review Date: Aug 31, 2018 | Final Action Date: Dec 11, 2020 | Approved

- **ANSI/SMACNA 007-2016, Residential Comfort System Installation Standards** (new standard)
  - PINS Date: Mar 24, 2006 | Public Review Date: Oct 3, 2014 | Final Action Date: May 12, 2016 | Approved

  - PINS Date: Jul 29, 2016 | Public Review Date: Jan 6, 2017 | Final Action Date: Mar 27, 2017 | Approved

- **ANSI/SMACNA 014-2013, HVAC Systems Commissioning Manual** (new standard)
  - PINS Date: Mar 24, 2006 | Public Review Date: Nov 16, 2012 | Final Action Date: Oct 2, 2013 | Approved

  - PINS Date: Feb 6, 2009 | Public Review Date: Dec 23, 2011 | Final Action Date: Apr 13, 2012 | Approved

- **ANSI/SMACNA 022-2015, Phenolic Duct Construction Standards** (new standard)
  - PINS Date: Jul 25, 2014 | Public Review Date: Jan 2, 2015 | Final Action Date: Feb 12, 2015 | Approved

### SPRI (Single Ply Roofing Industry)

465 Waverley Oaks Road, Suite 421, Waltham, MA 02452 | w: www.spri.org

  - PINS Date: Aug 10, 2018 | Public Review Date: Apr 19, 2019 | Final Action Date: Jun 25, 2019 | Approved
### SPRI (Single Ply Roofing Industry)

  (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 (R2022)**, Test Standard for Gutter Systems  
  (reaffirmation of ANSI/SPRI GT-1-2016)  
  Public Review Date: May 28, 2021 | Final Action Date: Jul 8, 2022 | **Approved**

- **ANSI/SPRI IA-1-2021**, Standard Field Test Procedure for Verifying the Suitability of Roof Substrates and Adhesives  
  (revision of ANSI/SPRI IA-1-2015)  
  PINS Date: May 8, 2020 | Public Review Date: Jan 1, 2021 | Final Action Date: May 12, 2021 | **Approved**

  (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-14-2016)  
  PINS Date: Nov 19, 2021 | Public Review Date: Jun 3, 2022 | Final Action Date: Jul 11, 2022 | **Approved**

  (revision of ANSI/SPRI RP-4-2019)  
  PINS Date: Jan 7, 2022 | Public Review Date: Mar 4, 2022 | Final Action Date: Apr 6, 2022 | **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**

  (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 Radioisotopic 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)
15 Technology Parkway, Suite 115, Peachtree Corners, GA  30092 | w: www.tappi.org

- ANSI/TAPPI T 1006 sp-2010, Testing of fiber glass mats: use of modified TAPPI procedures for sampling and lot acceptance, stiffness, tear resistance, air permeability, and thickness (new standard)
  PINS Date: Mar 19, 2010 | Public Review Date: Jul 2, 2010 | Final Action Date: Dec 2, 2010 | Approved

- ANSI/TAPPI T 1007 sp-2015, Sample location for fiber glass mat sheets (revision of ANSI/TAPPI T 1007 sp-2010)
  PINS Date: Jul 25, 2014 | Public Review Date: Nov 21, 2014 | Final Action Date: Jun 9, 2015 | Approved

- ANSI/TAPPI T 1008 sp-2015, Test conditions for fiber glass mat test methods (revision of ANSI/TAPPI T 1008 sp-2010)
  PINS Date: Aug 15, 2014 | Public Review Date: Mar 27, 2015 | Final Action Date: Jun 9, 2015 | Approved

- ANSI/TAPPI T 1009 om-2010, Tensile strength and elongation at break for fiber glass mats (new standard)
  PINS Date: Apr 2, 2010 | Public Review Date: Jul 16, 2010 | Final Action Date: Dec 2, 2010 | Approved

- ANSI/TAPPI T 1009 om-2022, Tensile strength and elongation at break for fiber glass mats (new standard)
  PINS Date: Mar 27, 2020 | Public Review Date: Jan 28, 2022 | Final Action Date: Jun 14, 2022 | Approved

- ANSI/TAPPI T 1012 om-2010, Moisture content of fiber glass mats (revision of ANSI/TAPPI T 1012 om-2010)
  PINS Date: Sep 19, 2014 | Public Review Date: Feb 27, 2015 | Final Action Date: Jun 9, 2015 | Approved

- ANSI/TAPPI T 1013 om-2010, Loss on ignition of fiber glass mats (new standard)
  PINS Date: Apr 30, 2010 | Public Review Date: Aug 20, 2010 | Final Action Date: Dec 2, 2010 | Approved

- ANSI/TAPPI T 1014 om-2010, Moisture sensitivity of fiber glass mats (new standard)
  PINS Date: Apr 30, 2010 | Public Review Date: Aug 20, 2010 | Final Action Date: Dec 2, 2010 | Approved

- ANSI/TAPPI T 1015 sp-2010 (R2015), Fiber glass mat uniformity (visual defects) (reaffirmation of ANSI/TAPPI T 1015 sp-2010)
  PINS Date: Aug 8, 2014 | Public Review Date: Mar 6, 2015 | Final Action Date: Jun 9, 2015 | Approved

- ANSI/TAPPI T 1016 om-2010 (R2022), Average fiber diameter of fiber glass mats (reaffirmation of ANSI/TAPPI T 1016 om-2010)
  PINS Date: May 24, 2019 | Public Review Date: Jan 28, 2022 | Final Action Date: Jun 14, 2022 | Approved

- ANSI/TAPPI T 1200 sp-2014 (R2020), Interlaboratory evaluation of test methods to determine TAPPI repeatability and reproducibility (reaffirmation of ANSI/TAPPI T 1200 sp-2014)
  PINS Date: Oct 12, 2018 | Public Review Date: Aug 9, 2019 | Final Action Date: Jan 31, 2020 | Approved

- ANSI/TAPPI T 1205 sp-2014 (R2020), Dealing with suspect (outlying) test determinations (reaffirmation of ANSI/TAPPI T 1205 sp-2014)
  PINS Date: Oct 12, 2018 | Public Review Date: Mar 6, 2020 | Final Action Date: Jun 9, 2020 | Approved

- ANSI/TAPPI T 1210 sp-2018, Units of measurement and conversion factors (new standard)
  PINS Date: Jun 24, 2016 | Public Review Date: Dec 22, 2017 | Final Action Date: Jun 12, 2018 | Approved

  PINS Date: Apr 27, 2018 | Public Review Date: Aug 9, 2019 | Final Action Date: Jan 31, 2020 | Approved

- ANSI/TAPPI T 1212 sp-2021, Light sources for evaluating papers including those containing fluorescent whitening agents (revision of ANSI/TAPPI T 1212 sp-2012)
  PINS Date: May 13, 2016 | Public Review Date: Jun 25, 2021 | Final Action Date: Nov 4, 2021 | Approved
### TAPPI (Technical Association of the Pulp and Paper Industry)

- **ANSI/TAPPI T 1215 sp-2021**, The determination of instrumental color differences  (revision of ANSI/TAPPI T 1215 sp-2012)
  - PINS Date: Jun 3, 2016 | Public Review Date: Mar 26, 2021 | Final Action Date: Jul 14, 2021 | Approved

  - PINS Date: Jun 3, 2016 | Public Review Date: Apr 27, 2018 | Final Action Date: Jun 12, 2018 | Approved

- **ANSI/TAPPI T 1217 sp-2012 (R2018)**, Photometric linearity of optical properties instruments  (reaffirmation of ANSI/TAPPI T 1217 sp-2012)
  - PINS Date: May 20, 2016 | Public Review Date: Mar 30, 2018 | Final Action Date: Dec 31, 2018 | Approved

- **ANSI/TAPPI T 1218 sp-2012 (R2018)**, Calibration of reflectance standards for hemispherical geometry  (reaffirmation of ANSI/TAPPI T 1218 sp-2012)
  - PINS Date: May 20, 2016 | Public Review Date: Apr 13, 2018 | Final Action Date: Dec 31, 2018 | Approved

  - Public Review Date: Aug 24, 2018 | Final Action Date: Dec 31, 2018 | Approved

- **ANSI/TAPPI T 1501 sg-2018**, Training standard for paper machine tender  (new standard)
  - PINS Date: Sep 25, 2015 | Public Review Date: Aug 10, 2018 | Final Action Date: Dec 31, 2018 | Approved

  - PINS Date: May 17, 2019 | Public Review Date: Jul 30, 2021 | Final Action Date: Oct 26, 2021 | Approved

- **ANSI/TAPPI T 205 sp-2018**, Forming handsheets for physical tests of pulp  (new standard)
  - PINS Date: Jan 19, 2018 | Public Review Date: Aug 3, 2018 | Final Action Date: Dec 31, 2018 | Approved

- **ANSI/TAPPI T 211 om-2012**, Ash in wood, pulp, paper and paperboard: combustion at 525 degrees C  (new standard)
  - PINS Date: May 20, 2011 | Public Review Date: Aug 26, 2011 | Final Action Date: Jun 15, 2012 | Approved

- **ANSI/TAPPI T 211 om-2022**, Ash in wood, pulp, paper and paperboard: combustion at 525C  (new standard)
  - PINS Date: Mar 27, 2020 | Public Review Date: Jan 28, 2022 | Final Action Date: Jun 14, 2022 | Approved

- **ANSI/TAPPI T 212 om-2012 (R2018)**, One percent sodium hydroxide solubility of wood and pulp  (reaffirmation of ANSI/TAPPI T 212 om-2012)
  - Public Review Date: Jan 26, 2018 | Final Action Date: Jun 12, 2018 | Approved

  - PINS Date: May 17, 2019 | Public Review Date: Jun 25, 2021 | Final Action Date: Oct 26, 2021 | Approved

- **ANSI/TAPPI T 218 sp-2018**, Forming handsheets for reflectance testing of pulp (Bchner funnel procedure)  (new standard)
  - PINS Date: Jun 19, 2015 | Public Review Date: Aug 24, 2018 | Final Action Date: Dec 31, 2018 | Approved

- **ANSI/TAPPI T 220 sp-2010**, Physical testing of pulp handsheets  (new standard)
  - PINS Date: Mar 12, 2010 | Public Review Date: Aug 27, 2010 | Final Action Date: Dec 2, 2010 | Approved

- **ANSI/TAPPI T 220 sp-2021**, Physical testing of pulp handsheets  (new standard)
  - PINS Date: Mar 27, 2020 | Public Review Date: Jun 25, 2021 | Final Action Date: Oct 26, 2021 | Approved

- **ANSI/TAPPI T 222 om-2021**, Acid insoluble lignin in wood and pulp  (new standard)
  - PINS Date: May 17, 2019 | Public Review Date: Jun 25, 2021 | Final Action Date: Nov 1, 2021 | Approved
## Approved American National Standards

The data in this document is reported as of Monday, August 29, 2022

### TAPPI (Technical Association of the Pulp and Paper Industry)

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<td>ANSI/TAPPI T 227 om-2021</td>
<td>Freeness of pulp (Canadian standard method) (new standard)</td>
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<td>PINS Date: Jan 29, 2021</td>
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| PINS Date: Apr 6, 2018 | Public Review Date: Mar 29, 2019 | Final Action Date: Jun 11, 2019 |

| ANSI/TAPPI T 236 om-2013 | Kappa number of pulp (new standard) | Approved |
| PINS Date: Oct 8, 2010 | Public Review Date: Jul 12, 2013 | Final Action Date: Dec 20, 2013 |

| ANSI/TAPPI T 240 om-2020 | Consistency (concentration) of pulp suspensions (revision of ANSI/TAPPI T 240 om-2012) | Approved |
| PINS Date: Jul 1, 2016 | Public Review Date: Aug 9, 2019 | Final Action Date: Jan 31, 2020 |

| PINS Date: May 17, 2019 | Public Review Date: Jun 25, 2021 | Final Action Date: Oct 26, 2021 |

| ANSI/TAPPI T 252 om-2012 | pH and electrical conductivity of hot water extracts of pulp, paper, and paperboard (new standard) | Approved |
| PINS Date: May 13, 2011 | Public Review Date: Aug 26, 2011 | Final Action Date: Jun 18, 2012 |

| ANSI/TAPPI T 252 om-2022 | pH and electrical conductivity of hot water extracts of pulp, paper, and paperboard (new standard) | Approved |
| PINS Date: Jul 2, 2021 | Public Review Date: Jan 28, 2022 | Final Action Date: Jun 14, 2022 |

| ANSI/TAPPI T 257 sp-2014 (R2021) | Sampling and preparing wood for analysis (reaffirmation of ANSI/TAPPI T 257 sp-2014) | Approved |
| PINS Date: Mar 8, 2019 | Public Review Date: Mar 26, 2021 | Final Action Date: Jul 14, 2021 |

| ANSI/TAPPI T 258 om-2021 | Basic density and moisture content of pulpwood (new standard) | Approved |
| PINS Date: Mar 27, 2020 | Public Review Date: Mar 26, 2021 | Final Action Date: Jul 14, 2021 |

| PINS Date: May 17, 2019 | Public Review Date: Oct 29, 2021 | Final Action Date: Dec 14, 2021 |

| ANSI/TAPPI T 262 sp-2012 (R2018) | Units of measurement and conversion factors (reaffirmation of ANSI/TAPPI T 262 sp-2012) | Approved |
| PINS Date: Jul 1, 2016 | Public Review Date: Dec 22, 2017 | Final Action Date: Jun 12, 2018 |

| ANSI/TAPPI T 266 om-2018 | Determination of sodium, calcium, copper, iron and manganese in pulp and paper by atomic absorption spectroscopy (new standard) | Approved |
| PINS Date: May 8, 2015 | Public Review Date: May 4, 2018 | Final Action Date: Dec 31, 2018 |

| PINS Date: Apr 6, 2018 | Public Review Date: Jan 28, 2022 | Final Action Date: Jun 14, 2022 |

| PINS Date: Jan 19, 2018 | Public Review Date: Aug 3, 2018 | Final Action Date: Dec 31, 2018 |

| ANSI/TAPPI T 272 sp-2021 | Forming handsheets for reflectance testing of pulp (sheet machine procedure) (revision of ANSI/TAPPI T 272 sp-2012) | Approved |
| PINS Date: Aug 12, 2016 | Public Review Date: Mar 26, 2021 | Final Action Date: Jul 14, 2021 |
## Approved American National Standards

### TAPPI (Technical Association of the Pulp and Paper Industry)

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<th>Standard</th>
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<td>ANSI/TAPPI T 275 sp-2018</td>
<td>Screening of pulp (Somerville-type equipment) (new standard)</td>
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<td>ANSI/TAPPI T 400 sp-2022</td>
<td>Sampling and accepting a single lot of paper, paperboard, containerboard, or related product (new standard)</td>
<td>Jan 22, 2021</td>
<td>Jan 28, 2022</td>
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<td>ANSI/TAPPI T 412 om-2022</td>
<td>Moisture in pulp, paper and paperboard (new standard)</td>
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<td>Internal tearing resistance of paper (Elmendorf-type method) (new standard)</td>
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<td>ANSI/TAPPI T 419 om-2018</td>
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<td>ANSI/TAPPI T 421 om-2012</td>
<td>Qualitative (including optical microscopic) analysis of mineral filler and mineral coating of paper (new standard)</td>
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<td>ANSI/TAPPI T 425 om-2011</td>
<td>Opacity of paper (15/d geometry, illuminant A/2° degrees, 89% reflectance backing and paper backing) (new standard)</td>
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<td>ANSI/TAPPI T 425 om-2021</td>
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<td>ANSI/TAPPI T 428 om-2021</td>
<td>Hot water extractable acidity or alkalinity of paper (revision of ANSI/TAPPI T 428 om-2013)</td>
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<td>ANSI/TAPPI T 435 om-2022</td>
<td>Hydrogen ion concentration (pH) of paper extracts (hot extraction method) (new standard)</td>
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<td>ANSI/TAPPI T 437 om-2012</td>
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<td>ANSI/TAPPI T 441 om-2020</td>
<td>Water absorptiveness of sized (nonbibulous) paper, paperboard, and corrugated fiberboard (Cobb test) (revision of ANSI/TAPPI T 441 om-2013)</td>
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<td>ANSI/TAPPI T 444 sp-2021</td>
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<td>ANSI/TAPPI T 448 om-2021</td>
<td>Water vapor transmission rate of paper and paperboard at 23 degrees C and 50% RH (new standard)</td>
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<td>ANSI/TAPPI T 449 om-2014</td>
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<td>ANSI/TAPPI T 452 om-2018</td>
<td>Brightness of pulp, paper, and paperboard (directional reflectance at 457 nm) (new standard)</td>
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<td>ANSI/TAPPI T 453 sp-2013</td>
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<td>ANSI/TAPPI T 454 om-2015</td>
<td>Turpentine test for voids in glassine and greaseproof papers</td>
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<td>ANSI/TAPPI T 455 sp-2014</td>
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<td>ANSI/TAPPI T 456 om-2022</td>
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<td>ANSI/TAPPI T 464 om-2012</td>
<td>Diffuse brightness of paper, paperboard and pulp (d/O) (ultraviolet level D65)</td>
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<td>ANSI/TAPPI T 465 sp-2010</td>
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<td>ANSI/TAPPI T 480 om-2015</td>
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<td>ANSI/TAPPI T 489 om-2022</td>
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<td>ANSI/TAPPI T 494 om-2022</td>
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<td>ANSI/TAPPI T 496 sp-2013</td>
<td>Specimen preparation for cross directional internal tearing resistance for paper, paperboard and related materials</td>
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<td>ANSI/TAPPI T 509 om-2022</td>
<td>Hydrogen ion concentration (pH) of paper extracts (cold extraction method)</td>
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TAPPI (Technical Association of the Pulp and Paper Industry)

  PINS Date: Feb 1, 2019 | Public Review Date: Aug 21, 2020 | Final Action Date: Nov 3, 2020 | Approved

- ANSI/TAPPI T 512 sp-2012 (R2021), Creasing of flexible packaging material paper specimens for testing (reaffirmation of ANSI/TAPPI T 512 sp-2012)
  PINS Date: Feb 23, 2018 | Public Review Date: Mar 26, 2021 | Final Action Date: Jul 14, 2021 | Approved

- ANSI/TAPPI T 515 om-2020, Visual grading and color matching of paper (revision of ANSI/TAPPI T 515 om-2014)
  PINS Date: Jul 3, 2020 | Public Review Date: Aug 14, 2020 | Final Action Date: Nov 10, 2020 | Approved

- ANSI/TAPPI T 524 om-2013 (R2020), Color Of Paper And Paperboard (45/0, C/2) (reaffirmation of ANSI/TAPPI T 524 om-2013)
  PINS Date: Oct 12, 2018 | Public Review Date: Aug 21, 2020 | Final Action Date: Nov 9, 2020 | Approved

- ANSI/TAPPI T 525 om-2012, Diffuse brightness of paper, paperboard and pulp (d/0) -- Ultraviolet level C (new standard)
  PINS Date: Feb 12, 2010 | Public Review Date: Oct 7, 2011 | Final Action Date: Jul 2, 2012 | Approved

- ANSI/TAPPI T 527 om-2013 (R2020), Color of paper and paperboard (d/0, C/2) (reaffirmation of ANSI/TAPPI T 527 om-2013)
  PINS Date: Oct 12, 2018 | Public Review Date: Aug 9, 2019 | Final Action Date: Jan 31, 2020 | Approved

- ANSI/TAPPI T 529 om-2014 (R2021), Surface pH measurement of paper (reaffirmation of ANSI/TAPPI T 529 om-2014)
  PINS Date: Feb 8, 2019 | Public Review Date: Mar 26, 2021 | Final Action Date: Jul 14, 2021 | Approved

- ANSI/TAPPI T 530 om-2018, Size test for paper by ink resistance (Hercules-type method) (reaffirmation and redesignation of ANSI/TAPPI T 530 om-2012)
  PINS Date: Jun 17, 2016 | Public Review Date: Dec 15, 2017 | Final Action Date: Jul 10, 2018 | Approved

- ANSI/TAPPI T 536 om-2018, Resistance of paper to passage of air (high-pressure Gurley method) (new standard)
  PINS Date: Jun 24, 2016 | Public Review Date: Dec 22, 2017 | Final Action Date: Jun 12, 2018 | Approved

- ANSI/TAPPI T 537 om-2021, Dirt count in paper and paperboard (optical character recognition - OCR) (new standard)
  PINS Date: Mar 27, 2020 | Public Review Date: Mar 26, 2021 | Final Action Date: Jul 14, 2021 | Approved

- ANSI/TAPPI T 538 om-2022, Roughness of paper and paperboard (Sheffield method) (new standard)
  PINS Date: Mar 27, 2020 | Public Review Date: Jan 28, 2022 | Final Action Date: Jun 14, 2022 | Approved

- ANSI/TAPPI T 541 om-2021, Internal bond strength of paperboard (z-direction tensile) (new standard)
  PINS Date: May 17, 2019 | Public Review Date: Jun 25, 2021 | Final Action Date: Nov 2, 2021 | Approved

- ANSI/TAPPI T 543 om-2022, Bending resistance of paper (Gurley-type tester) (new standard)
  PINS Date: Mar 27, 2020 | Public Review Date: Jan 28, 2022 | Final Action Date: Jun 14, 2022 | Approved

- ANSI/TAPPI T 545 om-2020, Cross-machine grammage profile measurement (gravimetric method) (new standard)
  PINS Date: Aug 7, 2015 | Public Review Date: Aug 16, 2019 | Final Action Date: Jan 31, 2020 | Approved

  PINS Date: May 17, 2019 | Public Review Date: Jan 28, 2022 | Final Action Date: Jun 14, 2022 | Approved

- ANSI/TAPPI T 547 om-2012 (R2018), Air permeance of paper and paperboard (Sheffield method) (reaffirmation of ANSI/TAPPI T 547 om-2012)
  PINS Date: Jun 24, 2016 | Public Review Date: Dec 15, 2017 | Final Action Date: Jun 12, 2018 | Approved
## Approved American National Standards

**TAPPI (Technical Association of the Pulp and Paper Industry)**

- ANSI/TAPPI T 549 om-2020, Coefficients Of Static And Kinetic Friction Of Uncoated Writing And Printing Paper By Use Of The Horizontal Plane Method (new standard)
  - PINS Date: Apr 6, 2018 | Public Review Date: Aug 21, 2020 | Final Action Date: Nov 9, 2020 | Approved

- ANSI/TAPPI T 550 om-2013 (R2022), Determination of equilibrium moisture in pulp, paper and paperboard for chemical analysis (reaffirmation of ANSI/TAPPI T 550 om-2013)
  - PINS Date: Apr 6, 2018 | Public Review Date: Aug 21, 2020 | Final Action Date: Jun 14, 2022 | Approved

  - PINS Date: Feb 23, 2018 | Public Review Date: Aug 24, 2018 | Final Action Date: Dec 31, 2018 | Approved

- ANSI/TAPPI T 553 om-2020, Alkalinity Of Paper As Calcium Carbonate (Alkaline Reserve Of Paper) (new standard)
  - PINS Date: May 17, 2019 | Public Review Date: Aug 21, 2020 | Final Action Date: Nov 3, 2020 | Approved

- ANSI/TAPPI T 555 om-2022, Roughness of paper and paperboard (Print-surf method) (revision of ANSI/TAPPI T 555 om-2015)
  - PINS Date: Jul 30, 2021 | Public Review Date: Jan 28, 2022 | Final Action Date: Jun 14, 2022 | Approved

- ANSI/TAPPI T 556 om-2021, Bending resistance of paper and paperboard by single-point bending methods (new standard)
  - PINS Date: Mar 27, 2020 | Public Review Date: Mar 26, 2021 | Final Action Date: Jul 14, 2021 | Approved

- ANSI/TAPPI T 558 om-2010 (R2020), Surface Wettability And Absorbency Of Sheeted Materials Using An Automated Contact Angle Tester (reaffirmation of ANSI/TAPPI T 558 om-2010 (R2015))
  - PINS Date: May 17, 2019 | Public Review Date: Aug 21, 2020 | Final Action Date: Nov 9, 2020 | Approved

- ANSI/TAPPI T 560 om-2021, CIE whiteness and tint of paper and paperboard (d/0 geometry, C/2 illuminant/observer) (new standard)
  - PINS Date: Jun 27, 2014 | Public Review Date: Mar 26, 2021 | Final Action Date: Jul 14, 2021 | Approved

- ANSI/TAPPI T 562 om-2021, CIE whiteness and tint of paper and paperboard (45/0 geometry, C/2 illuminant/observer) (new standard)
  - PINS Date: Jul 25, 2014 | Public Review Date: Mar 26, 2021 | Final Action Date: Jul 14, 2021 | Approved

- ANSI/TAPPI T 563 om-2015 (R2021), Equivalent black area (EBA) and count of visible dirt in pulp, paper and paperboard by image analysis (reaffirmation of ANSI/TAPPI T 563 om-2015)
  - PINS Date: May 10, 2019 | Public Review Date: Mar 26, 2021 | Final Action Date: Jul 14, 2021 | Approved

- ANSI/TAPPI T 564 sp-20212x, Transparent chart for the estimation of defect size (new standard)
  - PINS Date: Mar 27, 2020 | Public Review Date: Jun 25, 2021 | Final Action Date: Nov 2, 2021 | Approved

- ANSI/TAPPI T 566 om-2021, Bending resistance (stiffness) of paper (Taber-type tester in 0 to 10 Taber stiffness unit configuration) (new standard)
  - PINS Date: May 17, 2019 | Public Review Date: Aug 20, 2021 | Final Action Date: Nov 2, 2021 | Approved

- ANSI/TAPPI T 567 om-2020, Determination Of Effective Residual Ink Concentration (Eric) By Infrared Reflectance Measurement (new standard)
  - PINS Date: May 17, 2019 | Public Review Date: Aug 21, 2020 | Final Action Date: Nov 9, 2020 | Approved

- ANSI/TAPPI T 568 om-2012 (R2018), Physical area of sub-visible contraries in pulp, paper and paperboard by image analysis (reaffirmation of ANSI/TAPPI T 568 om-2012)
  - PINS Date: Jul 8, 2016 | Public Review Date: Aug 24, 2018 | Final Action Date: Dec 31, 2018 | Approved

- ANSI/TAPPI T 569 om-2022, Internal bond strength (Scott type) (revision of ANSI/TAPPI T 569 om-2014)
  - PINS Date: Nov 6, 2020 | Public Review Date: Jan 28, 2022 | Final Action Date: Jun 14, 2022 | Approved
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<td>ANSI/TAPPI T 579 om-2018</td>
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<td>ANSI/TAPPI T 812 om-2013 (R2019)</td>
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<td>ANSI/TAPPI T 815 om-2012 (R2018)</td>
<td>Coefficient of static friction (slide angle) of packaging and packaging materials (including shipping sack papers, corrugated and solid fiberboard) (inclined plane method)</td>
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<td>ANSI/TAPPI T 821 om-2012</td>
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<td>ANSI/TAPPI T 825 om-2014</td>
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<td>ANSI/TAPPI T 826 om-2021</td>
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<td>ANSI/TAPPI T 830 om-2018</td>
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<td>ANSI/TAPPI T 832 om-2012</td>
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<td>ANSI/TAPPI T 836 om-2020</td>
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<td>ANSI/TAPPI T 839 om-2018</td>
<td>Edgewise compressive strength of corrugated fiberboard using the clamp method (short column test)</td>
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<td>ANSI/TAPPI T 843 om-2020</td>
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TAPPI (Technical Association of the Pulp and Paper Industry)

- 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)

  PINS Date: Jan 29, 2010 | Public Review Date: Feb 5, 2016 | Final Action Date: Mar 24, 2016 | Approved

TCIA (ASC A300) (Tree Care Industry Association)

  PINS Date: Nov 28, 2014 | Public Review Date: Aug 19, 2016 | Final Action Date: Jan 10, 2017 | Approved

  PINS Date: Jul 24, 2015 | Final Action Date: Feb 11, 2016 | Approved

  PINS 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: 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: 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 | Final Action Date: May 23, 2019 | Approved

- ANSI A300 Part 6-2012 (R2018), Tree, Shrub, and Other Woody Plant Management Standard Practices (Planting and Transplanting) (reaffirmation of ANSI A300 Part 6-2012)
  Public Review Date: Dec 15, 2017 | Final Action Date: May 8, 2018 | Approved

  PINS Date: Jan 20, 2017 | Public Review Date: Apr 27, 2018 | Final Action Date: Aug 10, 2018 | Approved

  PINS Date: Jun 15, 2018 | Public Review Date: Jun 14, 2019 | Final Action Date: Mar 2, 2020 | Approved

  PINS Date: Nov 20, 2015 | Public Review Date: Aug 19, 2016 | Final Action Date: Jan 10, 2017 | Approved
TCNA (ASC A108) (Tile Council of North America)

100 Clemson Research Blvd., Anderson, SC  29625 | w: www.tcnatile.com

- ANSI A108.01-2016, General Requirements: Subsurfaces and Preparations by Other Trades  (revision of ANSI A108.01-2013)
  PINS Date: Apr 11, 2014 | Public Review Date: Sep 2, 2016 | Final Action Date: Oct 21, 2016 | Approved

- ANSI A108.01-2021a, General Requirements: Subsurfaces and Preparations by Other Trades  (revision of ANSI A108.01-2021)
  Public Review Date: Apr 2, 2021 | Final Action Date: May 18, 2021 | Approved

- ANSI A108.02-2016, General Requirements: Materials, Environmental, and Workmanship  (revision of ANSI A108.02-2013)
  PINS Date: Oct 4, 2013 | Public Review Date: Sep 2, 2016 | Final Action Date: Oct 21, 2016 | Approved

- ANSI A108.02-2018, General Requirements: Materials, Environmental, and Workmanship  (revision of ANSI A108.02-2016)
  Public Review Date: Sep 28, 2018 | Final Action Date: Nov 6, 2018 | Approved

- ANSI A108.02-2019, General Requirements: Materials, Environmental, and Workmanship  (revision of ANSI A108.02-2016)
  Public Review Date: Apr 5, 2019 | Final Action Date: Jun 18, 2019 | Approved

  Public Review Date: Mar 4, 2022 | Final Action Date: Apr 25, 2022 | Approved

- ANSI A108.11-2018, Interior Installation of Cementitious Backer Units  (revision of ANSI A108.11-2010 (R2016))
  PINS Date: Nov 11, 2016 | Public Review Date: Sep 28, 2018 | Final Action Date: Nov 6, 2018 | Approved

  PINS Date: Dec 21, 2012 | Public Review Date: Aug 2, 2019 | Final Action Date: Sep 18, 2019 | Approved

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

  PINS Date: Aug 14, 2020 | Public Review Date: Dec 25, 2020 | Final Action Date: Feb 11, 2021 | Approved

  PINS Date: Oct 19, 2018 | Public Review Date: Apr 5, 2019 | Final Action Date: Jun 18, 2019 | Approved

- ANSI A108.16-2020, Installation of Paper-Faced, BackMounted, EdgeMounted, or Clear Film FaceMounted GlassMosaic Tile  (revision of ANSI A108.16-2005 (R2016))
  PINS Date: Oct 19, 2018 | Public Review Date: Jan 3, 2020 | Final Action Date: Feb 25, 2020 | Approved

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

- ANSI A108.18-2021, Unmounted Glass Tile Installation  (new standard)
  PINS Date: Jul 17, 2009 | Public Review Date: Dec 25, 2020 | Final Action Date: Feb 11, 2021 | Approved
TCNA (ASC A108) (Tile Council of North America)

  PINS Date: Jul 21, 2017 | Public Review Date: Jan 3, 2020 | Final Action Date: Feb 24, 2020 | Approved

  Public Review Date: Mar 4, 2022 | Final Action Date: Apr 25, 2022 | Approved

  PINS Date: Nov 11, 2016 | Public Review Date: Mar 31, 2017 | Final Action Date: Aug 21, 2017 | Approved

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

  PINS Date: Jul 21, 2017 | Public Review Date: Jun 5, 2020 | Final Action Date: Oct 9, 2020 | Approved

- ANSI A108.21-2021, Interior Installation of Flowable Hydraulic Cement Underlayment/Self-Leveling Underlayment (new standard)
  PINS Date: Nov 23, 2018 | Public Review Date: Sep 17, 2021 | Final Action Date: Nov 4, 2021 | Approved

- ANSI A108.4-2019, Installation of Ceramic Tile with Organic Adhesives or Water Cleanable Tile-Setting Epoxy Adhesive (new standard)
  PINS Date: Dec 21, 2012 | Public Review Date: Aug 2, 2019 | Final Action Date: Sep 18, 2019 | Approved

- ANSI A108.5-2021, Setting of Ceramic Tile with Dry-Set Cement Mortar, Modified Dry-Set Cement Mortar, EGP (Exterior Glue Plywood) Modified Dry-Set Cement Mortar, or Improved Modified Dry-Set Cement Mortar (revision of ANSI A108.5-2020)
  PINS Date: Apr 2, 2021 | Public Review Date: Sep 17, 2021 | Final Action Date: Nov 3, 2021 | Approved

  Public Review Date: Aug 2, 2019 | Final Action Date: Sep 18, 2019 | Approved

  Public Review Date: Aug 2, 2019 | Final Action Date: Sep 18, 2019 | Approved

  Public Review Date: Aug 2, 2019 | Final Action Date: Sep 18, 2019 | Approved

  PINS Date: Nov 23, 2018 | Public Review Date: Apr 5, 2019 | Final Action Date: Jun 18, 2019 | Approved

- ANSI A118.10-2014 (R2019), Standard Specifications for Load Bearing, Bonded, Waterproof Membrane for Thin-Set Ceramic Tile and Dimension Stone Installation (reaffirmation of ANSI A118.10-2014)
  Public Review Date: Aug 2, 2019 | Final Action Date: Sep 18, 2019 | Approved
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<td>ANSI A118.11-2017 (R2022), Standard Specifications for EGP (Exterior Glue Plywood) Modified Dry-set Mortar  (reaffirmation of ANSI A118.11-2017)</td>
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<td>ANSI A118.12-2014 (R2019), Standard Specifications for Crack Isolation Membranes for Thin-Set Ceramic Tile and Dimension Stone Installation  (reaffirmation of ANSI A118.12-2014)</td>
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<td>ANSI A118.15-2019, Standard Specifications for Improved Modified Dry-Set Cement Mortar  (revision of ANSI A118.15 -2018)</td>
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<td>ANSI A118.16-2021, Standard Specifications for Flowable Hydraulic Cement Underlayment/Self-Leveling Underlayment  (new standard)</td>
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<td>ANSI A118.5-1999 (R2021), Standard Specifications for Chemical Resistant Furan Mortars and Grouts for Tile Installation  (reaffirmation of ANSI A118.5-1999 (R2016))</td>
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<td>ANSI A118.6-2019, Standard Specifications for Standard Cement Grouts for Tile Installation  (revision of ANSI A118.6 -2010 (R2016))</td>
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<td>Mobile Application Part (MAP) - Broadcast Teleservice Transport Capability (new standard)</td>
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  - PINS Date: Jun 26, 2009 | Public Review Date: May 11, 2012 | Final Action Date: Aug 7, 2012 | **Approved**

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- 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

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- 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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### ANSI/TIA 455-178-C-2021, FOTP-178 Optical Fibres - Part 1-32: Measurement Methods and Test Procedures - Coating Strippability

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- ANSI/TIA 455-204-A-2013, FOTP-204 - Measurement of Bandwidth on Multimode Fiber  (identical national adoption of IEC 60793-1-41)
  PINS Date: Apr 15, 2011 | Public Review Date: Mar 22, 2013 | Final Action Date: Oct 1, 2013 | Approved

  Public Review Date: Sep 21, 2007 | Final Action Date: Mar 28, 2008 | Approved

- ANSI/TIA 455-225-2015, FOTP-225 End-Face Image Analysis Procedure for the Calibration of Optical Fibre Geometry Test Sets  (identical national adoption of IEC 61745)
  PINS Date: Dec 12, 2014 | Public Review Date: Feb 13, 2015 | Final Action Date: Aug 11, 2015 | Approved

  PINS Date: Dec 12, 2014 | Public Review Date: Apr 3, 2015 | Final Action Date: Aug 11, 2015 | Approved

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  PINS Date: Jun 26, 2015 | Public Review Date: Apr 20, 2018 | Final Action Date: Jul 31, 2018 | Approved

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  Public Review Date: Dec 5, 2014 | Final Action Date: Feb 24, 2015 | Approved

- ANSI/TIA 455-244-A-2020, Methods for Measuring the Change in Transmittance of Optical Fibers in Expressed Buffer Tubes When Subjected to Temperature Cycling Revision (revision and redesignation of ANSI/TIA 455-244-2011)
  PINS Date: Jul 5, 2019 | Public Review Date: May 22, 2020 | Final Action Date: Sep 18, 2020 | Approved

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- ANSI/TIA 455-33-B-2005 (R2013), FOTP33 - Optical Fiber Cable Tensile Loading and Bending (reaffirmation of ANSI/TIA 455-33B-2005)
  Public Review Date: Nov 2, 2012 | Final Action Date: Aug 2, 2013 | Approved

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

- ANSI/TIA 455-3B-2009 (R2014), Procedure to Measure Temperature Cycling Effects on Optical Fiber Units, Optical Cable, and Other Passive Fiber Optic components (reaffirmation of ANSI/TIA 455-3B-2009)
  Public Review Date: Feb 21, 2014 | Final Action Date: Aug 8, 2014 | Approved

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<td>ANSI/TIA 455-95-B-2019, Absolute Optical Power Test for Optical Fibers and Cables (new standard)</td>
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<td>Public Review Date: Aug 18, 2017</td>
<td>Final Action Date: Feb 15, 2019</td>
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<td>ANSI/TIA 470.120-D-2017, Telecommunications - Telephone Terminal Equipment - Transmission Requirements for Analog Speakerphones (revision and redesignation of ANSI/TIA 470.120-C-2011)</td>
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  - PINS Date: Dec 21, 2012 | Public Review Date: Sep 27, 2013 | Final Action Date: Nov 26, 2013 | Approved

- **ANSI/TIA 470.130-C-2008 (R2016)**, Telecommunications - Telephone Terminal Equipment - Headset Acoustic Performance Requirements for Analog Telephones with Headsets (reaffirmation of ANSI/TIA 470.130-C-2008)
  - Public Review Date: Oct 30, 2015 | Final Action Date: May 3, 2016 | Approved

  - PINS Date: Dec 21, 2012 | Public Review Date: Sep 27, 2013 | Final Action Date: Dec 2, 2013 | Approved

- **ANSI/TIA 470.140-2018**, Acoustic echo control requirements for analog telephones (new standard)
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  - PINS Date: Oct 30, 2015 | Public Review Date: Apr 8, 2016 | Final Action Date: Jun 16, 2016 | Approved

  - Public Review Date: Apr 8, 2016 | Final Action Date: Jun 17, 2016 | Approved

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## TIA (Telecommunications Industry Association)

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  - PINS Date: Aug 18, 2017 | Public Review Date: Jun 18, 2021 | Final Action Date: Sep 27, 2021 | Approved

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  - PINS Date: Aug 7, 2015 | Public Review Date: Nov 18, 2016 | Final Action Date: Apr 11, 2017 | Approved

- ANSI/TIA 4957.500-2017, Smart Utility Network-Security  (new standard)
  - PINS Date: Feb 19, 2016 | Public Review Date: Nov 18, 2016 | Final Action Date: Apr 6, 2017 | Approved

  - PINS Date: Sep 23, 2011 | Public Review Date: Jul 27, 2012 | Final Action Date: Mar 26, 2013 | Approved

  - Public Review Date: Nov 11, 2016 | Final Action Date: Feb 16, 2017 | Approved

- ANSI/TIA 4966-1-2017, Telecommunications Infrastructure Standard for Educational Facilities, Addendum 1: Updated References, Accommodation of New Media Types  (addenda to ANSI/TIA 4966-2014)
  - PINS Date: Mar 10, 2017 | Public Review Date: Jul 7, 2017 | Final Action Date: Oct 27, 2017 | Approved

  - PINS Date: Nov 2, 2018 | Public Review Date: Dec 17, 2021 | Final Action Date: Feb 3, 2022 | Approved

- ANSI/TIA 5017-2016, Telecommunications - Physical Network Security Standard  (new standard)
  - PINS Date: Jul 4, 2014 | Public Review Date: Dec 25, 2015 | Final Action Date: Feb 19, 2016 | Approved

- ANSI/TIA 5041-2016, FAST Digital IF Architecture and Open Standard Digital IF Interfaces  (new standard)
  - PINS Date: Aug 14, 2015 | Public Review Date: Jan 1, 2016 | Final Action Date: Apr 20, 2016 | Approved

- ANSI/TIA 5045-2017, Numeric Identifier for Conventional Analog Operation  (new standard)
  - PINS Date: Mar 4, 2016 | Public Review Date: Apr 7, 2017 | Final Action Date: Jun 22, 2017 | Approved

- ANSI/TIA 5048-1-2021, Automated infrastructure management (AIM) systems - Requirements, data exchange and applications, Addendum 1: Adoption of ISO/IEC 18598 AMD1 ED1  (addenda to ANSI/TIA 5048-2017)
  - PINS Date: Nov 13, 2020 | Public Review Date: Feb 26, 2021 | Final Action Date: Jun 11, 2021 | Approved

- ANSI/TIA 5048-2017, Automated Infrastructure Management (AIM) Systems - Requirements, Data Exchange and Applications  (national adoption with modifications of ISO/IEC 18598)
  - PINS Date: Oct 28, 2016 | Public Review Date: Mar 3, 2017 | Final Action Date: Jun 22, 2017 | Approved

- ANSI/TIA 5050-2018, Telecommunications, Communications Products, Receive Volume Control Requirements for Wireless (Mobile) Devices  (new standard)
  - PINS Date: Nov 4, 2016 | Public Review Date: Aug 25, 2017 | Final Action Date: Jan 17, 2018 | Approved
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  - PINS Date: Nov 2, 2018 | Public Review Date: Oct 11, 2019 | Final Action Date: Mar 24, 2020 | Approved

- **ANSI/TIA 568.2-D-1-2019**, Balun Requirements for Category 8 Testing  (addenda to ANSI/TIA 568.2-D-2018)
  - PINS Date: Nov 2, 2018 | Public Review Date: Dec 28, 2018 | Final Action Date: Apr 9, 2019 | Approved

  - PINS Date: Jul 5, 2019 | Public Review Date: Jun 26, 2020 | Final Action Date: Aug 6, 2020 | Approved

  - PINS Date: Jan 22, 2016 | Public Review Date: Feb 23, 2018 | Final Action Date: Sep 20, 2018 | Approved

- **ANSI/TIA 568.3-D-1-2019**, Optical Fiber Cabling Component Standard- Addendum 1 General Updates  (addenda to ANSI/TIA 568-D.3-2016)
  - PINS Date: Jul 7, 2017 | Public Review Date: Aug 3, 2018 | Final Action Date: Jan 17, 2019 | Approved

  - PINS Date: Jul 5, 2013 | Public Review Date: Jul 15, 2016 | Final Action Date: Oct 25, 2016 | Approved

- **ANSI/TIA 568.4-E-2022**, Broadband Coaxial Cabling and Components Standard  (revision and redesignation of ANSI/TIA 568.4-D-2017)
  - PINS Date: Feb 11, 2022 | Public Review Date: Apr 8, 2022 | Final Action Date: Jul 11, 2022 | Approved

- **ANSI/TIA 568.5-2022**, IP Data Bearer Service Specification  (revision and redesignation of ANSI/TIA 102.BAEB-B-2014)
  - PINS Date: Jul 5, 2019 | Public Review Date: Aug 16, 2019 | Final Action Date: Dec 16, 2019 | Approved

- **ANSI/TIA 568.5-2022**, Single balanced twisted-pair cabling and components standard  (new standard)
  - PINS Date: Oct 6, 2017 | Public Review Date: Oct 29, 2021 | Final Action Date: Feb 14, 2022 | Approved

- **ANSI/TIA 569-C-2012**, Telecommunications Pathways and Spaces  (new standard)
  - PINS Date: Nov 12, 2010 | Public Review Date: Aug 5, 2011 | Final Action Date: May 3, 2012 | Approved

- **ANSI/TIA 569-D-1-2016**, Telecommunications Pathways and Spaces: Addendum 1 - Revised Temperature and Humidity Requirements for Telecommunications Spaces  (addenda to ANSI/TIA 569-D-2015)
  - PINS Date: Jul 1, 2016 | Public Review Date: Aug 12, 2016 | Final Action Date: Oct 21, 2016 | Approved

  - PINS Date: Jul 1, 2016 | Public Review Date: Feb 16, 2018 | Final Action Date: Jul 20, 2018 | Approved

  - PINS Date: Feb 11, 2022 | Public Review Date: Mar 25, 2022 | Final Action Date: Jun 17, 2022 | Approved

  - PINS Date: Jul 27, 2018 | Public Review Date: Mar 8, 2019 | Final Action Date: May 23, 2019 | Approved

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

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

- ANSI/TIA 664-000-B-3-2007 (R2013), Wireless Features Description – Addendum 3 (reaffirmation of ANSI/TIA 664-000-B-2007)
  Public Review Date: Sep 7, 2012 | Final Action Date: Jan 22, 2013 | Approved

- ANSI/TIA 664-100-B-2007 (R2013), Wireless Features Description: Background and Assumptions (reaffirmation of ANSI/TIA 664-100-B-2007)
  Public Review Date: Sep 7, 2012 | Final Action Date: Jan 16, 2013 | Approved

  Public Review Date: Sep 7, 2012 | Final Action Date: Jan 16, 2013 | Approved

  Public Review Date: Sep 7, 2012 | Final Action Date: Jan 22, 2013 | Approved

  Public Review Date: Sep 7, 2012 | Final Action Date: Jan 24, 2013 | Approved

- ANSI/TIA 664-504-B-2007 (R2013), Wireless Features Description: Call Forwarding—No Answer (CFNA) (reaffirmation of ANSI/TIA 664-504-B-2007)
  Public Review Date: Sep 7, 2012 | Final Action Date: Jan 24, 2013 | Approved

- ANSI/TIA 664-505-B-2007 (R2013), Wireless Features Description: Call Forwarding—Unconditional (CFU) (reaffirmation of ANSI/TIA 664-505-B-2007)
  Public Review Date: Sep 7, 2012 | Final Action Date: Jan 24, 2013 | Approved

- ANSI/TIA 664-506-B-2007 (R2013), Wireless Features Description: Call Transfer (CT) (reaffirmation of ANSI/TIA 664-506-B-2007)
  Public Review Date: Sep 7, 2012 | Final Action Date: Jan 24, 2013 | Approved

  Public Review Date: Sep 7, 2012 | Final Action Date: Dec 20, 2012 | Approved

- ANSI/TIA 664-508-B-2007 (R2013), Wireless Features Description: Calling Number Identification Presentation (CNIP) (reaffirmation of ANSI/TIA 664-508-B-2007)
  Public Review Date: Sep 7, 2012 | Final Action Date: Jan 24, 2013 | Approved

- ANSI/TIA 664-509-B-2007 (R2013), Wireless Features Description: Calling Number Identification Restriction (CNIR) (reaffirmation of ANSI/TIA 664-509-B-2007)
  Public Review Date: Sep 7, 2012 | Final Action Date: Jan 24, 2013 | Approved

  Public Review Date: Sep 7, 2012 | Final Action Date: Jan 24, 2013 | Approved
## TIA (Telecommunications Industry Association)

  - Public Review Date: Sep 7, 2012 | Final Action Date: Jan 28, 2013 | **Approved**

  - Public Review Date: Sep 7, 2012 | Final Action Date: Jan 28, 2013 | **Approved**

  - Public Review Date: Sep 7, 2012 | Final Action Date: Jan 28, 2013 | **Approved**

  - Public Review Date: Sep 7, 2012 | Final Action Date: Apr 4, 2013 | **Approved**

  - Public Review Date: Sep 7, 2012 | Final Action Date: Jan 28, 2013 | **Approved**

  - Public Review Date: Sep 7, 2012 | Final Action Date: Jan 28, 2013 | **Approved**

  - Public Review Date: Sep 7, 2012 | Final Action Date: Jan 28, 2013 | **Approved**

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- **ANSI/TIA 664-521-B-2007 (R2013), Wireless Features Description: Subscriber PIN Intercept (SPINI)** (reaffirmation of ANSI/TIA 664-521-B-2007)
  - Public Review Date: Sep 7, 2012 | Final Action Date: Jan 28, 2013 | **Approved**

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  - Public Review Date: Sep 7, 2012 | Final Action Date: Jan 29, 2013 | **Approved**

  - Public Review Date: Sep 7, 2012 | Final Action Date: Jan 29, 2013 | **Approved**
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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

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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

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ANSI/TIA 664-806-2007 (R2013), Wireless Features Description: Over-the-Air Parameter Administration (reaffirmation of ANSI/TIA 664-806-2007)
Public Review Date: Sep 7, 2012 | Final Action Date: Feb 4, 2013 | Approved

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Public Review Date: Apr 15, 2016 | Final Action Date: Jun 14, 2016 | Approved

Public Review Date: Apr 15, 2016 | Final Action Date: Jun 14, 2016 | Approved

ANSI/TIA 862-B-1-2017, Structured Cabling Infrastructure Standard for Intelligent Building Systems, Addendum 1: Updated References, Accommodation of New Media Types (addenda to ANSI/TIA 862-B-2016)
PINS Date: Mar 10, 2017 | Public Review Date: Jul 7, 2017 | Final Action Date: Oct 27, 2017 | Approved
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<td>Telecommunications - Telephone Terminal Equipment - Transmission Requirements for Digital Telephones with Headsets (new standard)</td>
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<td>Approved</td>
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- 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

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  PINS Date: Nov 30, 2018 | Public Review Date: Feb 8, 2019 | Final Action Date: May 7, 2019 | Approved

  PINS Date: Nov 30, 2018 | Public Review Date: Feb 8, 2019 | Final Action Date: May 7, 2019 | Approved

  PINS Date: Nov 30, 2018 | Public Review Date: Feb 8, 2019 | Final Action Date: May 7, 2019 | Approved

  PINS Date: Dec 7, 2018 | Public Review Date: May 31, 2019 | Final Action Date: Sep 10, 2019 | Approved

  Public Review Date: Nov 28, 2003 | Final Action Date: Feb 3, 2004 | Approved

  PINS Date: Nov 14, 2003 | Public Review Date: Nov 28, 2003 | Final Action Date: Feb 3, 2004 | Approved

**TMA (The Monitoring Association)**

7918 Jones Branch Drive, Suite 510, McLean, VA  22102 | w: www.csaaul.org

  PINS Date: Aug 27, 2021 | Public Review Date: Nov 12, 2021 | Final Action Date: Mar 24, 2022 | Approved

**TNI (The NELAC Institute)**

P.O. Box 2439, Weatherford, TX  76086 | w: www.NELAC-Institute.org

- ANSI/FSMO-V1-2016, General Requirements for Field Sampling and Measurement Organizations (new standard)  
  PINS Date: Mar 13, 2015 | Public Review Date: Dec 11, 2015 | Final Action Date: Sep 23, 2016 | Approved

- ANSI/FSMO-V2-2016, General Requirements for Accreditation Bodies Accrediting Field Sampling and Measurement Organizations (new standard)  
  PINS Date: Mar 13, 2015 | Public Review Date: Dec 11, 2015 | Final Action Date: Sep 23, 2016 | Approved
TNI (The NELAC Institute)

- ANSI/TNI EL-V1-2016, Management and Technical Requirements for Laboratories performing Environmental Analysis (revision of ANSI/TNI EL-V1-2009)
  PINS Date: Oct 4, 2013 | Public Review Date: Sep 9, 2016 | Final Action Date: Dec 6, 2016 | Approved

- ANSI/TNI EL-V1M4-2018, Management and Technical Requirements for Laboratories performing Environmental Analysis, Module 4: Quality Systems for Chemical Testing (revision and redesignation of ANSI/TNI EL-V4-2016)
  PINS Date: Mar 24, 2017 | Public Review Date: Dec 1, 2017 | Final Action Date: Feb 27, 2018 | Approved

- ANSI/TNI EL-V2-2016, General Requirements for Accreditation Bodies Accrediting Environmental Laboratories (revision of ANSI/TNI EL-V2-2009)
  PINS Date: Oct 4, 2013 | Public Review Date: Sep 9, 2016 | Final Action Date: Nov 29, 2016 | Approved

- ANSI/TNI EL-V3-2016, General Requirements for Environmental Proficiency Test Providers (revision of ANSI/TNI EL-V3-2009)
  PINS Date: Oct 4, 2013 | Public Review Date: Sep 9, 2016 | Final Action Date: Nov 29, 2016 | Approved

TOY-TIA (Toy Industry Association)

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TPI (Truss Plate Institute)

  PINS Date: Jul 2, 2010 | Public Review Date: Oct 25, 2013 | Final Action Date: Aug 27, 2014 | Approved

UAMA (ASC B7) (Unified Abrasives Manufacturers' Association)

- ANSI B7.1-2017, Safety Requirements for the Use, Care and Protection of Abrasive Wheels (revision of ANSI B7.1-2010)
  PINS Date: Sep 21, 2012 | Public Review Date: Sep 8, 2017 | Final Action Date: Oct 25, 2017 | Approved

- ANSI B7.7-2003 (R2019), Safety Requirements for Abrading Materials with Coated Abrasive Systems (reaffirmation of ANSI B7.7-2003 (R2011))
  PINS Date: Oct 12, 2018 | Public Review Date: Feb 1, 2019 | Final Action Date: Apr 23, 2019 | Approved

UAMA (ASC B74) (Unified Abrasives Manufacturers' Association)

- ANSI B74.10-2015, Specification for Grading of Abrasive Grain (revision of ANSI B74.10-2010)
  PINS Date: Apr 17, 2015 | Public Review Date: Aug 21, 2015 | Final Action Date: Oct 30, 2015 | Approved

- ANSI B74.11-2020, Specifications for Random Shaped Tumbling Chip Abrasives (revision of ANSI B74.11-2014)
  PINS Date: Mar 6, 2020 | Public Review Date: Apr 24, 2020 | Final Action Date: Nov 10, 2020 | Approved

  PINS Date: Oct 13, 2017 | Public Review Date: Mar 30, 2018 | Final Action Date: Jul 20, 2018 | Approved
UAMA (ASC B74) (Unified Abrasives Manufacturers' Association)

- ANSI B74.13-2016, Markings for Identifying Grinding Wheels and Other Bonded Abrasives (revision of ANSI B74.13-1990 (R2007))
  PINS Date: Feb 21, 2014 | Public Review Date: Nov 13, 2015 | Final Action Date: Oct 21, 2016 | Approved

  Public Review Date: Sep 23, 2019 | Final Action Date: Jan 6, 2020 | Approved

- ANSI B74.15-1992 (R2013), Methods of Chemical Analysis of Silicon Carbide Abrasive Grain and Abrasive Crude (reaffirmation of ANSI B74.15-1992 (R2007))
  Public Review Date: Apr 20, 2012 | Final Action Date: Feb 27, 2013 | Approved

- ANSI B74.16-2002 (R2014), Checking the Size of Diamond and Cubic Boron Nitride Abrasive Grain (reaffirmation of ANSI B74.16-2002 (R2007))
  Public Review Date: Apr 19, 2013 | Final Action Date: Jun 19, 2014 | Approved

- ANSI B74.18-2018, Grading of Certain Abrasive Grain on Coated Abrasive Material (revision of ANSI B74.18-2016)
  PINS Date: Oct 13, 2017 | Public Review Date: Dec 29, 2017 | Final Action Date: Apr 5, 2018 | Approved

- ANSI B74.19-2016, Test for Determining the Magnetic Content of Abrasive Grains (revision of ANSI B74.19-2002 (R2007))
  PINS Date: May 17, 2013 | Public Review Date: Nov 6, 2015 | Final Action Date: May 23, 2016 | Approved

- ANSI B74.20-2004 (R2016), Specification for Diamond and CBN Powders in Sub-Sieve Sizes (reaffirmation of ANSI B74.20-2004 (R2010))
  Public Review Date: Nov 6, 2015 | Final Action Date: Oct 21, 2016 | Approved

- ANSI B74.21-2002 (R2014), Fatigue Proof Test Procedure for Vitrified Wheels (reaffirmation of ANSI B74.21-2002 (R2007))
  Public Review Date: Feb 21, 2014 | Final Action Date: Jun 19, 2014 | Approved

- ANSI B74.22-1991 (R2014), Design Test for Type 27 Portable Grinding Wheels (reaffirmation of ANSI B74.22-1991 (R2007))
  Public Review Date: Feb 21, 2014 | Final Action Date: Jun 19, 2014 | Approved

  Public Review Date: Apr 19, 2013 | Final Action Date: Feb 6, 2014 | Approved

- ANSI B74.24-2016, Specification for Abrasive Materials for Blasting (new standard)
  PINS Date: Apr 11, 2014 | Public Review Date: May 6, 2016 | Final Action Date: Oct 21, 2016 | Approved

- ANSI B74.3-2003 (R2014), Specifications for Shapes and Sizes of Diamond or CBN Abrasive Products (reaffirmation of ANSI B74.3-2003 (R2009))
  Public Review Date: Feb 21, 2014 | Final Action Date: Oct 27, 2014 | Approved

- ANSI B74.4-1992 (R2019), Procedure for Bulk Density of Abrasive Grains (reaffirmation of ANSI B74.4-1992 (R2013))
  PINS Date: Oct 12, 2018 | Public Review Date: May 31, 2019 | Final Action Date: Sep 17, 2019 | Approved

ULSE (UL Standards & Engagement)
12 Laboratory Drive, Research Triangle Park, NC 27709-3995 | w: https://ul.org/

  Public Review Date: Feb 11, 2022 | Final Action Date: Jun 15, 2022 | Approved
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  Public Review Date: Nov 4, 2016 | Final Action Date: Apr 10, 2017 | Approved

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  Public Review Date: Dec 22, 2017 | Final Action Date: Feb 2, 2018 | Approved

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  Public Review Date: Nov 6, 2020 | Final Action Date: Feb 2, 2021 | Approved

  Public Review Date: Jan 29, 2021 | Final Action Date: Mar 19, 2021 | Approved

- ANSI/UL 1029-2012 (R2022), Standard for High-Intensity-Discharge Lamp Ballasts (reaffirmation of ANSI/UL 1029-2012 (R2017))
  Public Review Date: Apr 15, 2022 | Final Action Date: Jul 15, 2022 | Approved

- ANSI/UL 103-2012 (R2021), Standard for Safety for Factory-Built Chimneys for Residential Type and Building Heating Appliances (reaffirmation of ANSI/UL 103-2012 (R2017))
  Public Review Date: Jul 9, 2021 | Final Action Date: Sep 24, 2021 | Approved

  Public Review Date: Aug 18, 2017 | Final Action Date: Sep 28, 2017 | Approved

  Public Review Date: Dec 29, 2017 | Final Action Date: Oct 31, 2019 | Approved

  Public Review Date: Jan 31, 2020 | Final Action Date: Jun 3, 2020 | Approved

- ANSI/UL 1037-2016, Standard for Safety for Antitheft Alarms and Devices (revision of ANSI/UL 1037-2004 (R2009))
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  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 1066-2022, Standard for Safety for Power Circuit Breakers up to 1000 V AC and 1500 V DC Used in Enclosures (revision of ANSI/UL 1066-2017)
  Public Review Date: Apr 8, 2022 | Final Action Date: Aug 1, 2022 | Approved

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- 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

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- ANSI/UL 1069-2020, Standard for Safety for Hospital Signaling and Nurse Call Equipment (revision of ANSI/UL 1069-2019)
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- ANSI/UL 1069-2022, Standard for Safety for Hospital Signaling and Nurse Call Equipment (revision of ANSI/UL 1069-2020)
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- **ANSI/UL 10C-2016 (R2021)**, Standard for Positive Pressure Fire Tests of Door Assemblies (reaffirmation of ANSI/UL 10C-2016)
  - Public Review Date: Feb 12, 2021 | Final Action Date: May 27, 2021 | Approved

  - Public Review Date: Mar 10, 2017 | Final Action Date: Sep 29, 2017 | Approved

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  - Public Review Date: Nov 6, 2020 | Final Action Date: Apr 1, 2021 | Approved

- **ANSI/UL 121203-2021**, Recommended Practice for Portable/Personal Electronic Products Suitable for Use in Class I, Division 2, Class I, Zone 2, Class II, Division 2, Class III, Division 1, Class III, Division 2, Zone 21 and Zone 22 Hazardous (Classified) Locations (revision of ANSI/UL 121203-2011 (R2015))
  - Public Review Date: Sep 25, 2020 | Final Action Date: Jan 14, 2021 | Approved

  - Public Review Date: Jun 5, 2020 | Final Action Date: Sep 9, 2020 | Approved

  - Public Review Date: Jul 26, 2019 | Final Action Date: Oct 1, 2019 | Approved

- **ANSI/UL 122001-2009 (R2019)**, Standard for Safety for General Requirements for Electrical Ignition Systems for Internal Combustion Engines in Class I, Division 2 or Zone 2 Hazardous (Classified) Locations (reaffirmation of ANSI/UL 122001-2009 (R2014))
  - Public Review Date: Dec 14, 2018 | Final Action Date: Feb 14, 2019 | Approved

  - Public Review Date: Jun 18, 2021 | Final Action Date: Aug 11, 2021 | Approved

  - Public Review Date: Jun 21, 2019 | Final Action Date: Sep 4, 2019 | Approved

- **ANSI/UL 1236-2016 (R2021)**, Standard for Safety for Battery Chargers for Charging Engine-Starter Batteries (reaffirmation of ANSI/UL 1236-2016)
  - Public Review Date: Oct 30, 2020 | Final Action Date: Jan 12, 2021 | Approved

  - Public Review Date: Jun 7, 2019 | Final Action Date: Aug 1, 2019 | Approved

  - Public Review Date: Sep 6, 2019 | Final Action Date: Oct 28, 2019 | Approved

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- **ANSI/UL 1254-2020 (R2022)**, Standard for Pre-Engineered Dry and Wet Chemical Extinguishing System Units (December 3, 2021) (revision of ANSI/UL 1254-2020)
  - Public Review Date: Dec 3, 2021 | Final Action Date: Feb 9, 2022 | Approved

- **ANSI/UL 1256-2013 (R2018)**, Standard for Fire Test of Roof Deck Constructions (reaffirmation of ANSI/UL 1256-2013)
  - Public Review Date: Jun 8, 2018 | Final Action Date: Aug 10, 2018 | Approved

- **ANSI/UL 1261-2016, Standard for Safety for Electric Water Heaters for Pools and Tubs** (revision of ANSI/UL 1261-2014)
  - Public Review Date: Jun 24, 2016 | Final Action Date: Sep 2, 2016 | Approved

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- ANSI/UL 1310-2019, Standard for Safety for Class 2 Power Units  (revision of ANSI/UL 1310-2014)
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  Public Review Date: Jan 21, 2022 | Final Action Date: Jun 9, 2022 | Approved

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- 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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- 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

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

  Public Review Date: Mar 6, 2020 | Final Action Date: May 29, 2020 | Approved

  Public Review Date: Nov 5, 2021 | Final Action Date: Jan 14, 2022 | Approved

- ANSI/UL 1426-2010 (R2020), Standard for Safety for Electrical Cables for Boats (reaffirmation of ANSI/UL 1426-2010 (R2015))
  Public Review Date: Nov 1, 2019 | Final Action Date: Jan 10, 2020 | Approved

  Public Review Date: Sep 15, 2017 | Final Action Date: Nov 6, 2017 | Approved

  Public Review Date: Aug 28, 2020 | Final Action Date: Dec 4, 2020 | Approved

- ANSI/UL 142A-2018a, Standard for Safety for Special Purpose Aboveground Tanks for Specific Flammable or Combustible Liquids (new standard)
  PINS Date: Dec 6, 2013 | Public Review Date: Mar 16, 2018 | Final Action Date: May 24, 2018 | Approved

- ANSI/UL 142A-2021, Standard for Safety for Special Purpose Aboveground Tank for Specific Flammable or Combustible Liquids (revision of ANSI/UL 142A-2018)
  Public Review Date: Nov 13, 2020 | Final Action Date: Jan 21, 2021 | Approved

  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
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  - Public Review Date: Mar 13, 2020 | Final Action Date: May 7, 2020 | Approved

  - Public Review Date: Apr 28, 2017 | Final Action Date: Aug 28, 2018 | Approved

  - Public Review Date: Jan 5, 2018 | Final Action Date: Aug 28, 2018 | Approved

  - Public Review Date: May 18, 2018 | Final Action Date: Aug 28, 2018 | Approved

  - Public Review Date: Oct 16, 2020 | Final Action Date: Mar 26, 2021 | Approved

  - Public Review Date: Jul 24, 2020 | Final Action Date: Oct 26, 2020 | Approved

  - Public Review Date: Mar 6, 2020 | Final Action Date: May 29, 2020 | Approved

  - Public Review Date: May 26, 2017 | Final Action Date: Jul 12, 2017 | Approved

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  - Public Review Date: Mar 11, 2022 | Final Action Date: Jun 10, 2022 | Approved

  - Public Review Date: Jan 17, 2014 | Final Action Date: Apr 13, 2018 | Approved

  - Public Review Date: Oct 21, 2016 | Final Action Date: Apr 13, 2018 | Approved

- **ANSI/UL 1637-2017 (R2022)**, Standard for Safety for Home Health Care Signaling Equipment (reaffirmation of ANSI/UL 1637-2017)
  - Public Review Date: Apr 22, 2022 | Final Action Date: Jul 20, 2022 | Approved

  - Public Review Date: Nov 21, 2014 | Final Action Date: Jan 28, 2016 | Approved

  - Public Review Date: Jun 19, 2015 | Final Action Date: Jan 28, 2016 | Approved
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## ANSI/UL 1651-2020, Standard for Safety for Optical Fiber Cable (revision of ANSI/UL 1651-2018)
- Public Review Date: Jul 24, 2020 | Final Action Date: Oct 9, 2020 | Approved

- Public Review Date: May 11, 2018 | Final Action Date: Feb 15, 2019 | Approved

## ANSI/UL 1653-2022, Electrical Nonmetallic Tubing (revision of ANSI/UL 1653-2019)
- Public Review Date: Aug 6, 2021 | Final Action Date: Mar 30, 2022 | Approved

## ANSI/UL 1655-2009a (R2020), Standard for Community-Antenna Television Cables (reaffirmation of ANSI/UL 1655-2009a (R2014))
- Public Review Date: Nov 1, 2019 | Final Action Date: Mar 11, 2020 | Approved

- Public Review Date: Sep 21, 2018 | Final Action Date: Nov 19, 2018 | Approved

- Public Review Date: Jun 1, 2018 | Final Action Date: Jan 30, 2019 | Approved

## ANSI/UL 1666-2012 (R2021), Standard for Safety for Test for Flame Propagation Height of Electrical and Optical-Fiber Cables Installed Vertically in Shafts (reaffirmation of ANSI/UL 1666-2012 (R2017))
- Public Review Date: Jul 9, 2021 | Final Action Date: Sep 24, 2021 | Approved

## ANSI/UL 1676-2013 (R2022), Conductive-Path and Discharge-Path Resistors for Use in Radio-, Video-, or Television-Type Appliances (reaffirmation of ANSI/UL 1676-2013)
- Public Review Date: May 6, 2022 | Final Action Date: Aug 1, 2022 | Approved

## ANSI/UL 1678-2017, Standard for Safety for Household, Commercial, and Institutional-Use Carts, Stands and Entertainment Centers for Use with Audio and/or Video Equipment (revision of ANSI/UL 1678-2016c)
- Public Review Date: Jun 3, 2016 | Final Action Date: Mar 24, 2017 | Approved

- Public Review Date: Nov 30, 2018 | Final Action Date: Jun 18, 2019 | Approved

## ANSI/UL 1678-2022, Standard for Household, Commercial, and Institutional-Use Carts, Stands and Entertainment Centers for Use with Audio and/or Video Equipment (revision of ANSI/UL 1678-2019)
- Public Review Date: Jan 28, 2022 | Final Action Date: Mar 2, 2022 | Approved

## ANSI/UL 1681-2012 (R2020), Standard for Safety for Wiring Device Configurations (reaffirmation of ANSI/UL 1681-2012 (R2016))
- Public Review Date: May 8, 2020 | Final Action Date: Jun 23, 2020 | Approved

## ANSI/UL 1682-2022, Standard for Safety for Plugs, Receptacles, and Cable Connectors of the Pin and Sleeve Type Configurations (revision of ANSI/UL 1682-2017)
- Public Review Date: Nov 26, 2021 | Final Action Date: Mar 11, 2022 | Approved

- Public Review Date: Jul 24, 2020 | Final Action Date: Oct 6, 2020 | Approved

## ANSI/UL 1686-2014 (R2018), The Standard for Safety for Pin and Sleeve Configurations (reaffirmation of ANSI/UL 1686-2014)
- Public Review Date: Apr 27, 2018 | Final Action Date: Jun 25, 2018 | Approved
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- ANSI/UL 1690-2006 (R2020), Standard for Data-Processing Cable (reaffirmation of ANSI/UL 1690-2006 (R2015))
  Public Review Date: May 1, 2020 | Final Action Date: Aug 7, 2020 | Approved

  Public Review Date: Oct 20, 2017 | Final Action Date: Jan 26, 2018 | Approved

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

  Public Review Date: Jun 25, 2021 | Final Action Date: Sep 29, 2021 | Approved

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  Public Review Date: Sep 6, 2019 | Final Action Date: Nov 25, 2019 | Approved

- ANSI/UL 1696-2021, Standard for Mechanical Protection Tubing (MPT) and Fittings (revision of ANSI/UL 1696-2015)
  Public Review Date: Aug 14, 2020 | Final Action Date: Mar 31, 2021 | Approved

  Public Review Date: Feb 3, 2017 | Final Action Date: May 3, 2017 | Approved

  Public Review Date: Jan 18, 2019 | Final Action Date: Jul 3, 2019 | Approved

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  PINS Date: Apr 8, 2011 | Public Review Date: Jun 15, 2018 | Final Action Date: Aug 10, 2018 | Approved

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  Public Review Date: Jul 17, 2015 | Final Action Date: Oct 12, 2015 | Approved

  Public Review Date: Feb 12, 2016 | Final Action Date: Jun 22, 2016 | Approved

- ANSI/UL 1703-2016a, Standard for Flat-Plate Photovoltaic Modules and Panels (revision of ANSI/UL 1703-2015)
  Public Review Date: Apr 1, 2016 | Final Action Date: Jun 22, 2016 | Approved
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- ANSI/UL 1703-2017, Standard for Flat-Plate Photovoltaic Modules and Panels (revision of ANSI/UL 1703-2016)
  Public Review Date: Oct 7, 2016 | Final Action Date: Mar 10, 2017 | Approved

- ANSI/UL 1703-2017a, Standard for Flat-Plate Photovoltaic Modules and Panels (revision of ANSI/UL 1703-2016)
  Public Review Date: Nov 4, 2016 | Final Action Date: Mar 10, 2017 | Approved

- ANSI/UL 1703-2017b, Standard for Flat-Plate Photovoltaic Modules and Panels (revision of ANSI/UL 1703-2016)
  Public Review Date: Feb 3, 2017 | Final Action Date: Mar 10, 2017 | Approved

- ANSI/UL 1703-2017c, Standard for Flat-Plate Photovoltaic Modules and Panels (revision of ANSI/UL 1703-2016)
  Public Review Date: May 5, 2017 | Final Action Date: Sep 13, 2017 | Approved

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  Public Review Date: Jul 20, 2018 | Final Action Date: Sep 26, 2018 | Approved

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  Public Review Date: May 24, 2019 | Final Action Date: Aug 20, 2019 | Approved

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  Public Review Date: Feb 18, 2022 | Final Action Date: Aug 8, 2022 | Approved

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- ANSI/UL 1773-2018a, Standard for Safety for Termination Boxes (revision of ANSI/UL 1773-2016)
  Public Review Date: Jul 27, 2018 | Final Action Date: Oct 9, 2018 | Approved

- ANSI/UL 1773-2018b, Standard for Safety for Termination Boxes (revision of ANSI/UL 1773-2016)
  Public Review Date: Aug 17, 2018 | Final Action Date: Oct 9, 2018 | Approved

  Public Review Date: Jan 10, 2020 | Final Action Date: Apr 22, 2020 | Approved

- ANSI/UL 1776-2019, Standard for Safety for High-Pressure Cleaning Machines (revision of ANSI/UL 1776-2013a)
  Public Review Date: Nov 23, 2018 | Final Action Date: Feb 12, 2019 | Approved

  Public Review Date: Oct 29, 2021 | Final Action Date: Feb 4, 2022 | Approved

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  Public Review Date: Oct 11, 2019 | Final Action Date: Jan 24, 2020 | Approved

  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
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- 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

  Public Review Date: Mar 26, 2021 | Final Action Date: Aug 25, 2021 | Approved

- ANSI/UL 1803-2012 (R2021), Standard for Factory Follow-Up on Third Party Certified Portable Fire Extinguishers (October 8, 2021) (reaffirmation of ANSI/UL 1803-2012 (R2017))
  Public Review Date: Oct 8, 2021 | Final Action Date: Dec 1, 2021 | Approved

  Public Review Date: Nov 5, 2021 | Final Action Date: Dec 29, 2021 | Approved

  Public Review Date: Nov 5, 2021 | Final Action Date: Dec 29, 2021 | Approved

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- ANSI/UL 1839-2021a, Standard for Safety for Automotive Battery Booster Cables (revision of ANSI/UL 1839-2021)
  Public Review Date: Nov 12, 2021 | Final Action Date: Dec 16, 2021 | Approved
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- ANSI/UL 201-2022, Standard for Safety for Garage Equipment (revision of ANSI/UL 201-2021)
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- ANSI/UL 2034-2017c, Standards for Safety for Single and Multiple Station Carbon Monoxide Alarms (revision of ANSI/UL 2034-2015a)
  Public Review Date: Mar 11, 2016 | Final Action Date: Dec 21, 2017 | Approved

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  Public Review Date: Apr 6, 2018 | Final Action Date: Sep 4, 2018 | Approved

  Public Review Date: Feb 4, 2022 | Final Action Date: Apr 5, 2022 | Approved

- ANSI/UL 2039-2016, Standard for Flexible Connector Piping For Fuels (new standard)
  PINS Date: May 22, 2015 | Public Review Date: Jan 29, 2016 | Final Action Date: May 5, 2016 | Approved

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  Public Review Date: Feb 25, 2022 | Final Action Date: Apr 22, 2022 | **Approved**

  
  Public Review Date: Apr 10, 2020 | Final Action Date: Jul 29, 2020 | **Approved**

- **ANSI/UL 2152-2021**, Standard for Special Purpose Nonmetallic Containers and Tanks for Specific Combustible or Noncombustible Liquids  (new standard)
  
  PINS Date: Jun 15, 2018 | Public Review Date: Jul 17, 2020 | Final Action Date: Jan 26, 2021 | **Approved**

  
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  Public Review Date: Jul 24, 2015 | Final Action Date: Nov 2, 2015 | **Approved**

  
  Public Review Date: Jan 19, 2018 | Final Action Date: May 28, 2018 | **Approved**

  
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## ANSI/UL 2162-2014 (R2019), Standard for Commercial Wood-fired Baking Ovens - Refractory Type
- **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
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## ANSI/UL 2166-2019, Standard for Halocarbon Clean Agent Extinguishing System Units
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## ANSI/UL 2166-2020, Standard for Halocarbon Clean Agent Extinguishing System Units
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## ANSI/UL 2166-2021, Standard for Halocarbon Clean Agent Extinguishing System Units
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## ANSI/UL 2166-2021a, Standard for Halocarbon Clean Agent Extinguishing System Units
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## ANSI/UL 2167-2011 (R2017), Standard for Safety for Water Mist Nozzles for Fire Protection Service
- **Public Review Date:** Mar 31, 2017  |  **Final Action Date:** May 25, 2017  |  **Approved**

## ANSI/UL 2167-2021, Standard for Water Mist Nozzles for Fire Protection Service
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## ANSI/UL 217-2020, Standard for Safety for Smoke Alarms
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## ANSI/UL 217-2021, Standard for Safety for Smoke Alarms
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## ANSI/UL 217-2022, Standard for Safety for Smoke Alarms
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## ANSI/UL 2182-2017 (R2022), Standard for Refrigerants
- **Public Review Date:** Dec 24, 2021  |  **Final Action Date:** Feb 11, 2022  |  **Approved**

## ANSI/UL 218A-2004 (R2018), Standard for Safety for Battery Contactors for Use in Diesel Engines Driving Centrifugal Fire Pumps
- **Public Review Date:** Apr 27, 2018  |  **Final Action Date:** Jul 9, 2018  |  **Approved**

## ANSI/UL 219-2018, Standard for Lined Fire Hose for Interior Standpipes
- **Public Review Date:** Oct 5, 2018  |  **Final Action Date:** Dec 11, 2018  |  **Approved**
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- ANSI/UL 2196-2017, Standard for Safety for Fire Test for Circuit Integrity of Fire-Resistive Power, Instrumentation, Control, and Data Cables (revision of ANSI/UL 2196-2006 (R2012))
  Public Review Date: Sep 23, 2016 | Final Action Date: Aug 29, 2017 | Approved

- ANSI/UL 2196-2017a, Standard for Fire Test for Circuit Integrity of Fire-Resistive Power, Instrumentation, Control, and Data Cables (revision of ANSI/UL 2196-2006 (R2012))
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- ANSI/UL 2196-2020, Standard for Safety for Fire Test for Circuit Integrity of Fire-Resistive Power, Instrumentation, Control and Data Cables (revision of ANSI/UL 2196-2018)
  Public Review Date: Apr 17, 2020 | Final Action Date: Oct 9, 2020 | Approved

- ANSI/UL 22-2010 (R2019), Standard for Safety for Amusement and Gaming Machines (reaffirmation of ANSI/UL 22-2010 (R2014))
  Public Review Date: Nov 23, 2018 | Final Action Date: Feb 6, 2019 | Approved

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<td>ANSI/UL 2237-2019</td>
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<td>PINs Date: Jul 31, 2015</td>
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<td>PINs Date: Jul 31, 2015</td>
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<td>ANSI/UL 2238-2018</td>
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<td>ANSI/UL 2239-2022, Standard for Hardware for the Support of Conduit, Tubing, and Cable (revision of ANSI/UL 2239-2019)</td>
<td>Public Review Date: May 21, 2021</td>
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<td>Public Review Date: Feb 26, 2021</td>
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<td>ANSI/UL 2258-2018, Standard for Aboveground Nonmetallic Tanks for Fuel Oil and Other Combustible Liquids (new standard)</td>
<td>PINS Date: Jul 21, 2017</td>
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- ANSI/UL 2258-2018a, Standard for Aboveground Nonmetallic Tanks for Fuel Oil and Other Combustible Liquids (new standard)
  PINS Date: Jul 21, 2017 | Public Review Date: Feb 23, 2018 | Final Action Date: May 17, 2018 | Approved

- ANSI/UL 2258-2019, Standard for Aboveground Nonmetallic Tanks for Fuel Oil and Other Combustible Liquids (revision of ANSI/UL 2258-2018)
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- ANSI/UL 2263-2022, Standard for Safety for Electric Vehicle Cable (new standard)
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  Public Review Date: May 25, 2018 | Final Action Date: Sep 5, 2018 | Approved

- ANSI/UL 2272-2016a, Standard for Safety for Electrical Systems for Self-Balancing Scooters (new standard)
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  Public Review Date: Mar 22, 2019 | Final Action Date: Jun 28, 2019 | Approved

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- ANSI/UL 231-2021, Standard for Safety for Power Outlets (revision of ANSI/UL 231-2020)
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- ANSI/UL 2344-2012 (R2022), Standard for Material Lifts  (reaffirmation of ANSI/UL 2344-2012 (R2017))
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- ANSI/UL 2351-2014 (R2018), Standard for Spray Nozzles for Fire-Protection Service  (reaffirmation of ANSI/UL 2351-2014)
  Public Review Date: Aug 10, 2018 | Final Action Date: Oct 2, 2018 | Approved

  Public Review Date: Mar 25, 2016 | Final Action Date: Oct 10, 2016 | Approved

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  Public Review Date: Jul 28, 2017 | Final Action Date: Oct 10, 2017 | Approved

- ANSI/UL 2367-2009 (R2018), Solid State Overcurrent Protectors  (reaffirmation of ANSI/UL 2367-2009 (R2014))
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- ANSI/UL 244B-2022a, Standard for Field Installed and/or Field Connected Appliance Controls (revision of ANSI/UL 244B-2022)
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  Public Review Date: May 4, 2018 | Final Action Date: Sep 20, 2018 | Approved

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  Public Review Date: Feb 16, 2018 | Final Action Date: Apr 4, 2018 | Approved

- ANSI/UL 248-18-2022, Low-Voltage Fuses - Part 18: Class CD Fuses (new standard)
  Public Review Date: Jul 9, 2021 | Final Action Date: Mar 31, 2022 | Approved

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| ANSI/UL 2577-2015, Standard for Safety for Suspended Ceiling Grid Low Voltage Systems and Equipment (revision of ANSI/UL 2577-2013a)  
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| ANSI/UL 2580-2020, Standard for Safety for Batteries for Use in Electrical Vehicles (revision of ANSI/UL 2580-2016)  
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| ANSI/UL 2586-2021, Standard for Hose Nozzle Valves for Flammable and Combustible Liquids (revision of ANSI/UL 2586-2014)  
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  Public Review Date: Sep 25, 2020 | Final Action Date: Dec 3, 2020 | Approved

  Public Review Date: Aug 17, 2018 | Final Action Date: Oct 8, 2018 | Approved

- 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))
  Public Review Date: Nov 20, 2020 | Final Action Date: Mar 24, 2021 | Approved

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- ANSI/UL 305-2012 (R2022), Standard for Panic Hardware (reaffirmation of ANSI/UL 305-2012 (R2017))
  Public Review Date: Jan 7, 2022 | Final Action Date: Mar 16, 2022 | Approved

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

- ANSI/UL 3100-2021, Standard for Safety for Automated Mobile Platforms (AMPs) (new standard)
  Public Review Date: Feb 12, 2021 | Final Action Date: Apr 5, 2021 | Approved

  Public Review Date: Feb 2, 2018 | Final Action Date: Mar 15, 2018 | Approved

  Public Review Date: Feb 4, 2022 | Final Action Date: Jun 2, 2022 | Approved

  Public Review Date: Apr 19, 2019 | Final Action Date: Jun 28, 2019 | Approved

  Public Review Date: Aug 28, 2015 | Final Action Date: Feb 24, 2016 | Approved

- ANSI/UL 325-2016a, Standard for Door, Drapery, Gate, Louver, and Window Operators and Systems (revision of ANSI/UL 325-2016)
  Public Review Date: Apr 29, 2016 | Final Action Date: Dec 7, 2016 | Approved

- ANSI/UL 325-2016b, Standard for Safety for Door, Drapery, Gate, Louver, and Window Operators and Systems (revision of ANSI/UL 325-2016)
  Public Review Date: Sep 16, 2016 | Final Action Date: Dec 7, 2016 | Approved

- ANSI/UL 325-2017, Standard for Door, Drapery, Gate, Louver, and Window Operators and Systems (revision of ANSI/UL 325-2016)
  Public Review Date: Nov 11, 2016 | Final Action Date: Mar 7, 2017 | Approved
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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)
  Public Review Date: Feb 3, 2017 | Final Action Date: Mar 7, 2017 | Approved

- ANSI/UL 325-2017b, Standard for Door, Drapery, Gate, Louver, and Window Operators and Systems (revision of ANSI/UL 325-2016)
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- ANSI/UL 33-2021, Standard for Heat Responsive Links for Fire-Protection Service (revision of ANSI/UL 33-2010 (R2020))
  Public Review Date: Feb 5, 2021 | Final Action Date: Jun 21, 2021 | Approved

- ANSI/UL 330-2017, Standard for Safety for Hose and Hose Assemblies for Dispensing Flammable Liquids (revision of ANSI/UL 330-2013a)
  Public Review Date: May 19, 2017 | Final Action Date: Jun 29, 2017 | Approved

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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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  Public Review Date: Jul 31, 2020 | Final Action Date: Oct 1, 2020 | Approved

  Public Review Date: Jun 9, 2017 | Final Action Date: Jul 24, 2017 | Approved

- ANSI/UL 343-2013 (R2017), Standard for Safety for Pumps for Oil-Burning Appliances (reaffirmation of ANSI/UL 343-2013)
  Public Review Date: Oct 20, 2017 | Final Action Date: Dec 13, 2017 | Approved

- ANSI/UL 343-2021, Standard for Safety for Pumps for Oil-Burning Appliances (revision of ANSI/UL 343-2013 (R2017))
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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)
  Public Review Date: May 15, 2015 | Final Action Date: Jan 29, 2016 | Approved

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- ANSI/UL 360-2018a, Standard for Safety for Liquid-Tight Flexible Metal Conduit (revision of ANSI/UL 360-2018)
  Public Review Date: Sep 21, 2018 | Final Action Date: Nov 27, 2018 | Approved

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- ANSI/UL 360-2020, Standard for Liquid-Tight Flexible Metal Conduit (revision of ANSI/UL 360-2019)
  Public Review Date: Jun 26, 2020 | Final Action Date: Oct 9, 2020 | Approved

- ANSI/UL 360-2021, Standard for Liquid-Tight Flexible Metal Conduit (revision of ANSI/UL 360-2020)
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- ANSI/UL 444-2021, Standard for Safety for Communications Cables (revision of ANSI/UL 444-2018)
  Public Review Date: Mar 19, 2021 | Final Action Date: Jun 16, 2021 | Approved

- ANSI/UL 448-2016, Standard for Safety for Centrifugal Stationary Pumps for Fire-Protection Service (revision of ANSI/UL 448-2013)
  Public Review Date: Oct 23, 2015 | Final Action Date: Feb 3, 2016 | Approved

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- ANSI/UL 448C-2014 (R2018), Standard for Safety for Stationary, Rotary-Type, Positive-Displacement Pumps for Fire-Protection Service (reaffirmation of ANSI/UL 448C-2014)
  Public Review Date: Sep 21, 2018 | Final Action Date: Nov 28, 2018 | Approved

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- ANSI/UL 4703-2014a, Standard for Safety for Photovoltaic Wire (Proposal Dated 5-9-14) (new standard)
  - PINS Date: Nov 25, 2011 | Public Review Date: May 9, 2014 | Final Action Date: Sep 30, 2014 | Approved

- ANSI/UL 471-2016, Standard for Commercial Refrigerators and Freezers (revision of ANSI/UL 471-2014)
  - Public Review Date: Oct 30, 2015 | Final Action Date: Jun 16, 2016 | Approved

- ANSI/UL 471-2016a, Standard for Safety for Commercial Refrigerators and Freezers (revision of ANSI/UL 471-2016)
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- ANSI/UL 471-2018a, Commercial Refrigerators and Freezers (revision of ANSI/UL 471-2016)
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<td>ANSI/UL 486F-2019, Standard for Safety for Bare and Covered Ferrules (revision of ANSI/UL 486F-2018)</td>
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  Public Review Date: Nov 6, 2020 | Final Action Date: Mar 11, 2021 | Approved

- ANSI/UL 496-2017, Standard for Safety for Lampholders (revision of ANSI/UL 496-2013b)
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- ANSI/UL 496-2017a, Standard for Safety for Lampholders (revision of ANSI/UL 496-2013)
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- ANSI/UL 497-2004 (R2022), Protectors for Paired-Conductor Communications Circuits (reaffirmation of ANSI/UL 497-2004 (R2017))
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- ANSI/UL 497B-2004 (R2022), Standard for Protectors for Data Communications and Fire Alarm Circuits (reaffirmation of ANSI/UL 497B-2004 (R2017))
  Public Review Date: Dec 17, 2021 | Final Action Date: Feb 7, 2022 | Approved

- ANSI/UL 497C-2004 (R2022), Standard for Protectors for Coaxial Communications Circuits (reaffirmation of ANSI/UL 497C-2004 (R2017))
  Public Review Date: Dec 17, 2021 | Final Action Date: Feb 7, 2022 | Approved

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  Public Review Date: Mar 9, 2018 | Final Action Date: Jun 27, 2018 | Approved

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

- ANSI/UL 498-2021a, Standard for Safety for Attachment Plugs and Receptacles  (revision of ANSI/UL 498-2021)
  Public Review Date: Jul 16, 2021 | Final Action Date: Sep 20, 2021 | Approved

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- ANSI/UL 508C-2016, Standard for Safety for Power Conversion Equipment  (revision of ANSI/UL 508C-2010c)
  Public Review Date: Sep 9, 2011 | Final Action Date: May 16, 2016 | Approved

- ANSI/UL 508C-2016a, Standard for Safety for Power Conversion Equipment  (revision of ANSI/UL 508C-2010c)
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- ANSI/UL 508C-2016b, Standard for Safety for Power Conversion Equipment  (revision of ANSI/UL 508C-2010)
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- ANSI/UL 508C-2018a, Standard for Safety for Power Conversion Equipment  (revision of ANSI/UL 508C-2016)
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- ANSI/UL 508C-2018b, Standard for Safety for Power Conversion Equipment  (revision of ANSI/UL 508C-2016)
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- ANSI/UL 510-2020, Standard for Safety for Polyvinyl Chloride, Polyethylene, and Rubber Insulating Tape  
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  PINS Date: Mar 22, 2019 | Public Review Date: Nov 22, 2019 | Final Action Date: Apr 17, 2020 | Approved

- ANSI/UL 514A-2015a, Standard for Safety for Metallic Outlet Boxes  (revision of ANSI/UL 514A-2013A)
  Public Review Date: Jan 23, 2015 | Final Action Date: Jul 6, 2015 | Approved

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- ANSI/UL 561-2021, Standard for Safety for Floor Finishing Machines  (revision of ANSI/UL 561-2011 (R2018))
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- 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 (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)
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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 (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 60079-17-2017a, Standard for Safety for Explosive Atmospheres - Part 17: Electrical Installations Inspection and Maintenance (Proposal dated 02-17-17) (national adoption with modifications of IEC 60079-17)
  - PINS Date: Mar 4, 2016 | Public Review Date: Feb 17, 2017 | Final Action Date: May 12, 2017 | Approved

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- 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))
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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 60320-1-2022, Appliance Couplers for Household and Similar General Purposes - Part 1: General Requirements (revision of ANSI/UL 60320-1-2020)
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- ANSI/UL 60320-3-2019, Standard for Appliance Couplers for Household and Similar General Purposes - Part 3: Standard Sheets and Gauges (national adoption with modifications of IEC 60320-3)
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- ANSI/UL 60335-2-89-2017a, Standard for Safety for Household and Similar Electrical Appliances, Part 2: Particular Requirements for Commercial Refrigerating Appliances with an Incorporated or Remote Refrigerant Unit or Compressor (national adoption with modifications of IEC 60335-2-89)
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  Public Review Date: Jun 28, 2019 | Final Action Date: Oct 18, 2019 | Approved

- ANSI/UL 60730-1-2021, Standard for Automatic Electrical Controls - Part 1: General Requirements (identical national adoption of IEC 60730-1 and revision of ANSI/UL 60730-1-2016)
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- ANSI/UL 60730-2-10-2013 (R2022), Standard for Automatic Electrical Controls for Household and Similar Use; Part 2: Particular Requirements for Motor Starting Relays (reaffirmation of ANSI/UL 60730-2-10-2013 (R2018))
  Public Review Date: Apr 15, 2022 | Final Action Date: Jun 29, 2022 | Approved

- ANSI/UL 60730-2-11-2013 (R2018), Automatic Electrical Controls for Household and Similar Use; Part 2: Particular Requirements for Energy Regulators (reaffirm a national adoption ANSI/UL 60730-2-11-2013)
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<td>ANSI/UL 60730-2-6-2021 (R2012)</td>
<td>Automatic Electrical Controls for Household and Similar Use; Part 2: Particular Requirements for Pressure Sensing Controls including Mechanical Requirements</td>
<td>Feb 3, 2017</td>
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<td>Automatic Electrical Controls for Household and Similar Use; Part 2: Particular Requirements for Temperature Sensing Controls</td>
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  - Public Review Date: Apr 13, 2018 | Final Action Date: Jun 22, 2018

  - Public Review Date: Nov 21, 2014 | Final Action Date: Jan 26, 2015

  - Public Review Date: May 18, 2018 | Final Action Date: Jul 27, 2018

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- **ANSI/UL 60745-2-4-2009 (R2014)**, Hand-Held Motor-Operated Electric Tools - Safety - Part 2-4: Particular Requirements for Sanders and Polishers Other Than Disk Type (reaffirmation of ANSI/UL 60745-2-4-2009 (R2014))
  - Public Review Date: Sep 7, 2018 | Final Action Date: Nov 7, 2018
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- ANSI/UL 608-2012 (R2022), Standard for Burglary Resistant Vault Doors and Modular Panels (reaffirmation of ANSI/UL 608-2012 (R2017))
  Public Review Date: Jan 7, 2022 | Final Action Date: Mar 7, 2022 | Approved

  Public Review Date: Oct 23, 2015 | Final Action Date: Mar 9, 2018 | Approved

- ANSI/UL 60939-3-2017 (R2022), Standard for Passive filter units for electromagnetic interference suppression - Part 3: Passive filter units for which safety tests are appropriate (reaffirm a national adoption ANSI/UL 60939-3-2017)
  Public Review Date: May 13, 2022 | Final Action Date: Jul 25, 2022 | Approved

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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)
  Public Review Date: Aug 25, 2017 | Final Action Date: Oct 17, 2017 | Approved

- ANSI/UL 60947-4-1-2022, Standard for Safety for Low-Voltage Switchgear and Controlgear - Part 4-1: Contactors and Motor-Starters - Electromechanical Contactors and Motor-Starters (national adoption of IEC 60947-4-1 with modifications and revision of ANSI/UL 60947-4-1-2017)
  Public Review Date: Sep 10, 2021 | Final Action Date: May 31, 2022 | Approved

- ANSI/UL 60947-4-2-2022, Standard for Safety for Low-Voltage Switchgear and Controlgear - Part 4-2: Contactors and Motor-Starters - AC Semiconductor Motor Controllers and Starters (national adoption of IEC 60947-4-2 with modifications and revision of ANSI/UL 60947-4-2-2014)
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- ANSI/UL 60947-5-5-2017, Standard for Safety for Low-voltage switchgear and controlgear - Part 5-5: Control circuit devices and switching elements - Electrical emergency stop device with mechanical latching function (identical national adoption of IEC 60947-5-5)
  PINS Date: Jul 10, 2015 | Public Review Date: Apr 28, 2017 | Final Action Date: Aug 11, 2017 | Approved

  Public Review Date: May 24, 2019 | Final Action Date: Sep 13, 2019 | Approved

- ANSI/UL 60947-7-1-2017 (R2021), Standard for Safety for Low-Voltage Switchgear And Controlgear - Part 7-1: Ancillary Equipment - Terminal Blocks for Copper Conductors (reaffirmation of ANSI/UL 60947-7-1-2017)
  Public Review Date: Feb 12, 2021 | Final Action Date: Mar 31, 2021 | Approved

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- ANSI/UL 60947-7-3-2017 (R2021), Standard for Safety for Low-Voltage Switchgear and Controlgear - Part 7-3: Ancillary Equipment - Safety Requirements for Fuse Terminal Blocks (reaffirmation of ANSI/UL 60947-7-3-2017)
  Public Review Date: Feb 12, 2021 | Final Action Date: Mar 31, 2021 | Approved

- ANSI/UL 60947-7-4-2018 (R2022), Standard for Safety for Low-Voltage Switchgear and Controlgear - Part 7-4: Ancillary Equipment-PCB Terminal Blocks for Copper Conductors (reaffirmation of ANSI/UL 60947-7-4-2018)
  Public Review Date: May 20, 2022 | Final Action Date: Jul 18, 2022 | Approved

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## ANSI/UL 61010-031-2020, Standard for Safety for Electrical Equipment for Measurement, Control and Laboratory Use
- Part 031: Safety Requirements for Hand-Held and Hand-Manipulated Probe Assemblies for Electrical Test and Measurement  
  (revision of ANSI/UL 61010-031-2017)
  Public Review Date: Aug 16, 2019 | Final Action Date: Jan 7, 2020 | Approved

## ANSI/UL 61010-1-2015, Standard for Safety for Electrical Equipment for Measurement, Control, and Laboratory Use
- Part 1: General Requirements  
  (Ballot dated 10-31-14)  
  (national adoption of IEC 61010-1 with modifications and revision of ANSI/UL 61010-1-2012)
  Public Review Date: Oct 31, 2014 | Final Action Date: Jul 15, 2015 | Approved

## ANSI/UL 61010-1-2016, Standard for Safety for Electrical Equipment for Measurement, Control, and Laboratory Use
- Part 1: General Requirements  
  (Proposal dated 11-27-15)  
  (national adoption of IEC 61010-1 with modifications and revision of ANSI/UL 61010-1-2015)
  Public Review Date: Nov 27, 2015 | Final Action Date: Apr 29, 2016 | Approved

## ANSI/UL 61010-1-2018, Standard for Safety for Electrical Equipment for Measurement, Control, and Laboratory Use
- Part 1: General Requirements  
  (national adoption of IEC 61010-1 with modifications and revision of ANSI/UL 61010-1-2016)
  Public Review Date: May 18, 2018 | Final Action Date: Nov 16, 2018 | Approved

## ANSI/UL 61010-2-010-2015, Standard for Safety for Electrical Equipment for Measurement, Control, and Laboratory Use
- Part 010: Particular Requirements for Laboratory Equipment for Heating of Materials  
  (identical national adoption of IEC 61010-2-010)
  PINS Date: Feb 7, 2014 | Public Review Date: Nov 7, 2014 | Final Action Date: Jan 15, 2015 | Approved

## ANSI/UL 61010-2-010-2019, Safety for Safety Requirements for Electrical Equipment for Measurement, Control and Laboratory Use
- Part 2-010: Particular Requirements for Laboratory Equipment for the Heating of Materials  
  (identical national adoption of IEC 61010-2-010 and revision of ANSI/UL 61010-2-010-2015)
  Public Review Date: Mar 29, 2019 | Final Action Date: Jun 18, 2019 | Approved

## ANSI/UL 61010-2-011-2021, Standard for Safety for Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use
- Part 011: Particular Requirements for Refrigerating Equipment  
  Public Review Date: Oct 30, 2020 | Final Action Date: May 13, 2021 | Approved

## ANSI/UL 61010-2-020-2016 (R2022), Standard for Safety for Electrical Equipment for Measurement, Control, and Laboratory Use
- Part 2-020: Particular Requirements for Laboratory Centrifuges  
  (reaffirmation of ANSI/UL 61010-2-020-2016)
  Public Review Date: Dec 17, 2021 | Final Action Date: Feb 4, 2022 | Approved

- Part 2-030: Particular Requirements for Equipment Having Testing or Measuring Circuits  
  (national adoption of IEC 61010-2-030 with modifications and revision of ANSI/UL 61010-2-030-2012 (R2016))
  Public Review Date: Aug 31, 2018 | Final Action Date: Dec 21, 2018 | Approved

## ANSI/UL 61010-2-032-2014 (R2018), Standard for Safety for Electrical Equipment for Measurement, Control, and Laboratory Use
- Part 2-032: Particular Requirements for Laboratory Equipment for Hand-Held and Hand-Manipulated Current Sensors for Electrical Test and Measurement  
  (reaffirm a national adoption ANSI/UL 61010-2-032-2014)
  Public Review Date: Sep 14, 2018 | Final Action Date: Nov 5, 2018 | Approved

## ANSI/UL 61010-2-032-2020, Standard for Safety for Electrical Equipment for Measurement, Control, and Laboratory Use
- Part 2-032: Particular Requirements for Hand-Held and Hand Manipulated Current Sensors for Electrical Test and Measurement  
  (identical national adoption of IEC 61010-2-032 and revision of ANSI/UL 61010-2-032-2014 (R2018))
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ANSI/UL 61010-2-051-2015, Standard for Safety for Electrical Equipment for Measurement, Control, and Laboratory Use - Part 2-051: Particular Requirements for Laboratory Equipment for Mixing and Stirring (identical national adoption of IEC 61010-2-051)
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  (reaffirm a national adoption ANSI/UL 61010-2-091-2014)
  - Public Review Date: Sep 14, 2018 | Final Action Date: Nov 5, 2018 | Approved

  (identical national adoption of IEC 61010-2-091 and revision of ANSI/UL 61010-2-091-2014 (R2018))
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- ANSI/UL 61010-2-101-2015, Standard for Safety Requirements for Electrical Equipment for Measurements, Control and Laboratory Use - Part 2-101: Particular Requirements for In Vitro Diagnostic Medical Equipment
  (identical national adoption of IEC 61010-2-101)
  - PINS Date: Feb 7, 2014 | Public Review Date: Jun 12, 2015 | Final Action Date: Aug 14, 2015 | Approved

  - Public Review Date: May 3, 2019 | Final Action Date: Jul 31, 2019 | Approved

  (national adoption of IEC 61010-2-201 with modifications and revision of ANSI/UL 61010-2-201-2014)
  - Public Review Date: Dec 30, 2016 | Final Action Date: Feb 20, 2017 | Approved

  (reaffirmation of ANSI/UL 61010-2-201-2018, ANSI/UL 61010-2-201-2018a)
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  (national adoption with modifications of IEC 61058-1-2)
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  (national adoption of IEC 61058-1 with modifications and revision of ANSI/UL 61058-1-2013)
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  (revision of ANSI/UL 61058-1-2017)
  - Public Review Date: Mar 12, 2021 | Final Action Date: May 3, 2021 | Approved
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<td>Standard for Switches for appliances - Part 2-6: Particular requirements for switches used in electric motor operated hand-held tools, transportable tools and lawn and garden machinery (national adoption with modifications of IEC 61058-2-6)</td>
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<td>Terrestrial photovoltaic (PV) modules – Design qualification and type approval – Part 1-3: Special requirements for testing of thin-film amorphous silicon based photovoltaic (PV) modules (identical national adoption of IEC 61215-1-3-2018)</td>
<td>May 21, 2021</td>
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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)
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- ANSI/UL 61724-1-2019, Standard for Photovoltaic System Performance – Part 1: Monitoring (national adoption with modifications of IEC 61724-1)
  PINS Date: Apr 28, 2017 | Public Review Date: Dec 7, 2018 | Final Action Date: Jan 29, 2019 | Approved

  PINS Date: Jan 27, 2017 | Public Review Date: Jul 27, 2018 | Final Action Date: Jan 29, 2019 | Approved

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<td>ANSI/UL 62133-1-2020</td>
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<td>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</td>
<td>national adoption with modifications of IEC 62133</td>
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- ANSI/UL 62841-2-4-2015, Standard for Safety for Electric Motor-Operated Hand-Held Tools, Transportable Tools And Lawn And Garden Machinery - Safety - Part 2-4: Particular Requirements for Hand-Held Sanders and Polishers Other Than Disc Type (national adoption with modifications of IEC 62841-2-4)
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- ANSI/UL 62841-2-8-2016 (R2022), Electric Motor-Operated Hand-Held Tools, Transportable Tools And Lawn And Garden Machinery - Safety - Part 2-8: Particular Requirements For Hand-Held Shears and Nibblers (reaffirmation and redesignation of ANSI/UL 62841-2-8-2016)
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<td>PINS Date: Oct 12, 2018</td>
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<td>ANSI/UL 62841-3-4-2016</td>
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<td>PINS Date: Nov 23, 2012</td>
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  Public Review Date: Jul 26, 2019 | Final Action Date: Oct 18, 2019 | Approved

- ANSI/UL 62841-3-6-2016, Standard for Electric Motor-Operated Hand-Held Tools, Transportable Tools and Lawn and Garden Machinery - Safety - Part 3-6: Particular Requirements for Transportable Diamond Drills with Liquid System (identical national adoption of IEC 62841-3-6)
  PINS Date: Nov 23, 2012 | Public Review Date: Oct 30, 2015 | Final Action Date: Jun 17, 2016 | Approved

- ANSI/UL 62841-3-6-2018, Standard for 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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  PINS Date: Nov 23, 2012 | Public Review Date: Jun 14, 2019 | Final Action Date: Sep 13, 2019 | Approved

- ANSI/UL 62841-4-4-2021, Standard For Electric Motor-Operated Hand-Held Tools, Transportable Tools And Lawn And Garden Machinery – Safety – Part 4-4: Particular Requirements For Lawn Trimmers, Lawn Edge Trimmers, Grass Trimmers, Brush Cutters And Brush Saws (identical national adoption of IEC 62841-4-4:2020)
  PINS Date: May 31, 2019 | Public Review Date: Apr 2, 2021 | Final Action Date: Oct 29, 2021 | Approved

- ANSI/UL 62852-2022, Standard for Connectors for DC-Application in Photovoltaic Systems - Safety Requirements and Tests (national adoption with modifications of IEC 62852)
  Public Review Date: May 20, 2022 | Final Action Date: Jul 6, 2022 | Approved
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- ANSI/UL 62915-2022, Standard for Photovoltaic (PV) Modules – Type Approval, Design and Safety Qualification – Retesting (national adoption with modifications of IEC 62915)
  PINS Date: Mar 1, 2019 | Public Review Date: Feb 18, 2022 | Final Action Date: Mar 23, 2022 | Approved

- ANSI/UL 62986-2021, Standard for Safety for Plugs, Socket-Outlets and Couplers with Arcuate Contacts (national adoption with modifications of IEC 62986)
  Public Review Date: Jan 29, 2021 | Final Action Date: Apr 22, 2021 | Approved

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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)
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- ANSI/UL 6420-2012 (R2018), Standard for Safety for Equipment Used for System Isolation and Rated as a Single Unit (reaffirmation of ANSI/UL 6420-2012)
  Public Review Date: Nov 3, 2017 | Final Action Date: Jan 8, 2018 | Approved

- ANSI/UL 644-2014 (R202x), Standard for Safety for Container Assemblies for LP-Gas (reaffirmation of ANSI/UL 644 -2014)
  Public Review Date: Jul 26, 2019 | Final Action Date: Nov 12, 2019 | Approved

- ANSI/UL 651-2022, Standard for Schedule 40, 80, Type EB and A Rigid PVC Conduit and Fittings (revision of ANSI/UL 651-2020)
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- ANSI/UL 668-2021, Standard for Hose Valves for Fire-Protection Service (August 6, 2021)  (revision of ANSI/UL 668 -2016)
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  Public Review Date: Jan 19, 2018 | Final Action Date: May 15, 2018 | Approved

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- ANSI/UL 674-2020, Standard for Safety for Electric Motors and Generators for Use in Division 1 Hazardous (Classified) Locations (revision of ANSI/UL 674-2017)
  Public Review Date: Sep 11, 2020 | Final Action Date: Dec 28, 2020 | Approved

- ANSI/UL 674-2022, Standard for Safety for Electric Motors and Generators for Use in Division 1 Hazardous (Classified) Locations (revision of ANSI/UL 674-2020)
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- ANSI/UL 687-2011 (R2020), Standard for Burglary Resistant Safes (reaffirmation of ANSI/UL 687-2011 (R2015))
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- ANSI/UL 697-2012 (R2016), Standard for Safety for Toy Transformers (reaffirmation of ANSI/UL 697-2012)
  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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**ULSE (UL Standards & Engagement)**

  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 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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- ANSI/UL 710-2012 (R2017), Standard for Exhaust Hoods for Commercial Cooking Equipment (reaffirmation of ANSI/UL 710-2012)
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- ANSI/UL 710B-2014 (R2019), Standard for Recirculating Systems (reaffirmation of ANSI/UL 710B-2014)
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- ANSI/UL 710B-2021, Standard for Recirculating Systems (revision of ANSI/UL 710B-2014 (R2019))
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- **ANSI/UL 768-2013 (R2018)**, Standard for Combination Locks (reaffirmation of ANSI/UL 768-2013)
  - Public Review Date: May 25, 2018 | Final Action Date: Jul 12, 2018 | Approved

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- ANSI/UL 778-2016a, Standard for Safety for Motor-Operated Water Pumps (revision of ANSI/UL 778)  
  Public Review Date: Aug 26, 2016 | Final Action Date: Nov 14, 2016 | Approved

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- ANSI/UL 778-2021, Standard for Motor-Operated Water Pumps (revision of ANSI/UL 778-2020)  
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- ANSI/UL 779-2020, Standard for Safety for Electrically Conductive Floorings (revision of ANSI/UL 779-2011 (R2016))  
  Public Review Date: Oct 23, 2020 | Final Action Date: Dec 15, 2020 | Approved
| ANSI/UL 789-2018a, Standard for Safety for Indicator Posts for Fire-Protection Service (revision of ANSI/UL 789-2003 (R2017)) | Public Review Date: Jul 13, 2018 | Final Action Date: Sep 4, 2018 | Approved |
| ANSI/UL 79-2016, Standard for Safety for Power-Operated Pumps for Petroleum Dispensing Products (revision of ANSI/UL 79-2010 (R2014)) | Public Review Date: Mar 18, 2016 | Final Action Date: Apr 29, 2016 | Approved |
| ANSI/UL 796-2019, Standard for Safety for Printed-Wiring Boards (revision of ANSI/UL 796-2016) | Public Review Date: Sep 21, 2018 | Final Action Date: Jul 19, 2019 | Approved |
| ANSI/UL 796-2019a, Standard for Safety for Printed-Wiring Boards (revision of ANSI/UL 796-2016) | Public Review Date: Feb 1, 2019 | Final Action Date: Jul 19, 2019 | Approved |
| ANSI/UL 796-2020, Standard for Safety for Printed Wiring Boards (revision of ANSI/UL 796-2016) | Public Review Date: May 15, 2020 | Final Action Date: Sep 30, 2020 | Approved |
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- ANSI/UL 796-2022, Standard for Safety for Printed Wiring Boards (revision of ANSI/UL 796-2021)
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- ANSI/UL 796F-2021, Standard for Safety for Flexible Materials Interconnect Constructions (revision of ANSI/UL 796F-2016)
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- ANSI/UL 796F-2021a, Standard for Safety for Flexible Materials Interconnect Constructions (revision of ANSI/UL 796F-2021)
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- ANSI/UL 797-2012 (R2017), Standard for Safety for Electrical Metallic Tubing - Steel (reaffirmation of ANSI/UL 797-2012)
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- ANSI/UL 797-2021, Standard for Electrical Metallic Tubing - Steel (revision of ANSI/UL 797-2012 (R2017))
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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)
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- 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 817-2021c, Standard for Safety for Cord Sets and Power-Supply Cords (revision of ANSI/UL 817-2021)
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- ANSI/UL 82-2016b, Electric Gardening Appliances (revision of ANSI/UL 82-2016)
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- ANSI/UL 82-2018, Standard for Safety for Electric Gardening Appliances (revision of ANSI/UL 82-2016)
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- ANSI/UL 82-2020, UL 82, Standard for Safety for Electric Gardening Appliances (revision of ANSI/UL 82-2018)
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- ANSI/UL 82-2021, Standard for Safety for Electric Gardening Appliances (revision of ANSI/UL 82-2020)
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- ANSI/UL 827-2016, Standard for Safety for Central-Station Alarm Services (revision of ANSI/UL 827-2014a)
  Public Review Date: Apr 29, 2016 | Final Action Date: Sep 22, 2016 | Approved

- ANSI/UL 827-2016a, Standard for Safety for Central-Station Alarm Services (revision of ANSI/UL 827-2014)
  Public Review Date: Aug 5, 2016 | Final Action Date: Sep 22, 2016 | Approved

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- ANSI/UL 827-2021, Standard for Safety for Central-Station Alarm Services (revision of ANSI/UL 827-2020)
  Public Review Date: May 28, 2021 | Final Action Date: Sep 15, 2021 | Approved

  (revision of ANSI/UL 83-2014)
  Public Review Date: Feb 24, 2017 | Final Action Date: Jul 28, 2017 | Approved

- ANSI/UL 83-2017a, Standard for Safety for Thermoplastic-Insulated Wires and Cables (proposal dated 7-1-16)
  (revision of ANSI/UL 83-2014)
  Public Review Date: Jul 1, 2016 | Final Action Date: Jul 28, 2017 | Approved

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  (revision of ANSI/UL 834-2013)
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  (revision of ANSI/UL 834-2018)
  Public Review Date: Aug 3, 2018 | Final Action Date: Sep 24, 2018 | Approved

  (revision of ANSI/UL 834-2018a)
  Public Review Date: May 17, 2019 | Final Action Date: Jul 11, 2019 | Approved

- ANSI/UL 83A-2016 (R2021), Standard for Safety for Fluoropolymer Insulated Wire
  (reaffirmation of ANSI/UL 83A-2016)
  Public Review Date: Sep 10, 2021 | Final Action Date: Nov 12, 2021 | Approved

- ANSI/UL 83B-2020, Standard for Safety for Switchboard and Switchgear Wires and Cables (new standard)
  Public Review Date: Jul 17, 2020 | Final Action Date: Oct 15, 2020 | Approved

- ANSI/UL 840-2012 (R2022), Standard for Insulation Coordination Including Clearances and Creepage Distances for
  Electrical Equipment
  (reaffirmation of ANSI/UL 840-2012 (R2016))
  Public Review Date: Feb 4, 2022 | Final Action Date: Apr 19, 2022 | Approved

  (revision of ANSI/UL 842-2015)
  Public Review Date: Sep 15, 2017 | Final Action Date: Oct 26, 2017 | Approved

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  Public Review Date: Sep 6, 2019 | Final Action Date: Jan 10, 2020 | Approved

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  Public Review Date: Jan 8, 2021 | Final Action Date: Apr 9, 2021 | Approved

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- ANSI/UL 8750-2019b, Standard for Safety for Light Emitting Diode (LED) Equipment For Use In Lighting Products (proposal dated 7-26-19) (revision of BSR/UL 8750-201X)
  - Public Review Date: Jul 26, 2019 | Final Action Date: Oct 11, 2019 | Approved

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- ANSI/UL 8750-2021a, Standard for Safety for Light Emitting Diode (LED) Equipment For Use In Lighting Products (revision of ANSI/UL 8750-2021)
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  - Public Review Date: May 28, 2021 | Final Action Date: Jul 6, 2021 | Approved

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  - Public Review Date: Jun 18, 2021 | Final Action Date: Apr 22, 2022 | Approved

- ANSI/UL 879A-2016 (R2022), Standard for Safety for LED Sign and Sign Retrofit Kits (reaffirmation of ANSI/UL 879A -2016)
  - Public Review Date: Aug 20, 2021 | Final Action Date: May 19, 2022 | Approved

  - Public Review Date: Jan 22, 2016 | Final Action Date: Mar 22, 2016 | Approved

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- ANSI/UL 87B-2017, Standard for Safety for Power-Operated Dispensing Devices for Diesel Fuel, Biodiesel Fuel, Diesel/Biodiesel Blends with Nominal Biodiesel Concentrations up to 20 Percent (B20), Kerosene, and Fuel Oil (revision of ANSI/UL 87B-2016)
  Public Review Date: Jun 30, 2017 | Final Action Date: Sep 7, 2017 | Approved

  Public Review Date: Apr 5, 2019 | Final Action Date: Jun 4, 2019 | Approved

  Public Review Date: Oct 25, 2019 | Final Action Date: Dec 12, 2019 | Approved

  PINS Date: May 11, 2018 | Public Review Date: Jun 14, 2019 | Final Action Date: Aug 30, 2019 | Approved

  Public Review Date: Jul 30, 2021 | Final Action Date: Nov 12, 2021 | Approved

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- ANSI/UL 884-2016 (R2020), Standard for Underfloor Raceways and Fittings (reaffirmation of ANSI/UL 884-2016)
  Public Review Date: Jun 12, 2020 | Final Action Date: Aug 25, 2020 | Approved

  Public Review Date: Apr 13, 2018 | Final Action Date: Jun 26, 2018 | Approved

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  Public Review Date: Apr 1, 2022 | Final Action Date: May 10, 2022 | Approved

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  Public Review Date: Jun 25, 2021 | Final Action Date: Sep 24, 2021 | Approved

- ANSI/UL 920004-2014 (R2022), Standard for Safety for Performance Requirements for Open Path Toxic Gas Detectors (reaffirmation of ANSI/UL 920004-2014 (R2017))
  Public Review Date: Sep 24, 2021 | Final Action Date: Jan 13, 2022 | Approved

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- 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)
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  Public Review Date: Jun 26, 2020 | Final Action Date: Aug 27, 2020 | Approved

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- 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: May 19, 2017 | Final Action Date: Sep 25, 2017 | Approved

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<td>ANSI/UL 962A-2018, Standard for Safety for Furniture Power Distribution Units (new standard)</td>
<td>PINS Date: Oct 13, 2017</td>
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<td>ANSI/UL 970-2020, Standard for Safety for Retail Fixtures and Merchandise Displays (new standard)</td>
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  Public Review Date: Oct 4, 2019 | Final Action Date: Dec 10, 2019 | Approved

  Public Review Date: Feb 14, 2020 | Final Action Date: May 1, 2020 | Approved

- **ANSI/UL 998-2020, Standard for Safety for Humidifiers (proposal dated 8/9/19)** (revision of ANSI/UL 998-2016a)
  Public Review Date: Aug 16, 2019 | Final Action Date: Apr 9, 2020 | Approved

- **ANSI/UL 998-2022, Standard for Safety for Humidifiers** (revision of ANSI/UL 998-2016)
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USEMCSC (United States EMC Standards Corp.)

- **ANSI C63.10-2020, Standard of procedures for compliance testing of unlicensed wireless devices** (revision of ANSI C63.10-2013)
  PINS Date: Nov 27, 2015 | Public Review Date: Jul 24, 2020 | Final Action Date: Sep 10, 2020 | Approved

  PINS Date: May 7, 2010 | Public Review Date: Jul 4, 2014 | Final Action Date: Aug 28, 2014 | Approved

- **ANSI C63.2-2016, American National Standard for Electromagnetic Noise and Field Strength Instrumentation, 10 Hz to 40 GHz Specifications** (revision of ANSI C63.2-2009)
  PINS Date: May 24, 2013 | Public Review Date: Apr 10, 2015 | Final Action Date: Oct 11, 2016 | Approved

  PINS Date: Jun 12, 2009 | Public Review Date: Oct 9, 2015 | Final Action Date: Dec 3, 2015 | Approved

- **ANSI C63.5-2019, Draft Standard for Electromagnetic Compatibility - Radiated Emission Measurements in Electromagnetic Interference (EMI) Control - Calibration and Qualification of Antennas (9 kHz to 40 GHz) Corrigendum 1** (revision of ANSI C63.5-2017)
  PINS Date: Dec 1, 2017 | Public Review Date: Aug 3, 2018 | Final Action Date: Jan 3, 2019 | Approved

- **ANSI C63.9-2008 (R2014), Standard for RF Immunity of Audio Office Equipment to General Use Transmitting Devices with Transmitter Power Levels up to 8 Watts** (reaffirmation of ANSI C63.9-2008)
  Public Review Date: Dec 27, 2013 | Final Action Date: Oct 16, 2014 | Approved

- **ANSI/IEEE C63.4-2014, Standard for Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the Range of 9kHz to 40GHz** (revision of ANSI C63.4-2009)
  PINS Date: Mar 11, 2011 | Public Review Date: Jan 3, 2014 | Final Action Date: Jun 13, 2014 | Approved

USTMA (U.S. Tire Manufacturers Association)

  PINS Date: Jan 22, 2016 | Public Review Date: Mar 11, 2016 | Final Action Date: Mar 27, 2017 | Approved

VC (ASC Z80) (The Vision Council)

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### VC (ASC Z80) (The Vision Council)

  - 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

### VITA (VMEbus International Trade Association (VITA))

929 W. Portobello Avenue, Mesa, AZ  85210 | w: www.vita.com

  - PINS Date: Mar 5, 2021 | Public Review Date: Oct 8, 2021 | Final Action Date: Aug 24, 2022 | Approved

- **ANSI/VITA 1-1994 (S2021], VME64**  (stabilized maintenance of ANSI/VITA 1-1994 (R2002))
  - Public Review Date: Aug 26, 2011 | Final Action Date: Nov 4, 2011 | Approved

- **ANSI/VITA 1.1-1997 (S2021], VME64 Extensions**  (stabilized maintenance of ANSI/VITA 1.1-1997 (R2003))
  - Public Review Date: Oct 24, 2008 | Final Action Date: Nov 4, 2011 | Approved

- **ANSI/VITA 1.3-1997 (S2021], VME64x 9U x 400mm Format**  (stabilized maintenance of ANSI/VITA 1.3-1997 (R2003))
  - Public Review Date: Oct 24, 2008 | Final Action Date: Nov 4, 2011 | Approved

- **ANSI/VITA 1.5-2003 (S2014), 2eSST**  (stabilized maintenance of ANSI/VITA 1.5-2003 (R2009))
  - Public Review Date: Feb 14, 2014 | Final Action Date: May 12, 2014 | Approved

- **ANSI/VITA 1.6-2000 (S2021], Keying for Conduction Cooled VME64x**  (stabilized maintenance of ANSI/VITA 1.6-2000 (R2005))
  - Public Review Date: Aug 26, 2011 | Final Action Date: Nov 4, 2011 | Approved

- **ANSI/VITA 1.7-2003 (S2014), Increased Current DIN Connector**  (stabilized maintenance of ANSI/VITA 1.7-2003 (R2009))
  - Public Review Date: Feb 14, 2014 | Final Action Date: May 12, 2014 | Approved

  - Public Review Date: Sep 4, 2020 | Final Action Date: Jan 27, 2022 | Approved

- **ANSI/VITA 17.3-2018, Serial Front Panel Data Port (sFPDP) Gen 3.0**  (new standard)
  - PINS Date: Dec 15, 2017 | Public Review Date: Feb 16, 2018 | Final Action Date: Apr 10, 2018 | Approved
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<tr>
<td>ANSI/VITA 46.4-2012 (R2018)</td>
<td>PCIExpress on the VPX Fabric Connector (reaffirmation of ANSI/VITA 46.4-2012)</td>
<td>Approved</td>
<td>Aug 25, 2017</td>
<td>Aug 16, 2018</td>
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<td>ANSI/VITA 46.6-2013 (R2018)</td>
<td>Gigabit Ethernet Control Plane on VPX (reaffirmation of ANSI/VITA 46.6-2013)</td>
<td>Approved</td>
<td>Mar 23, 2018</td>
<td>Aug 16, 2018</td>
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<td>Standard Number</td>
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<td>ANSI/VITA 46.7-2012</td>
<td>Ethernet on VPX Fabric Connector</td>
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<td>June 13, 2018</td>
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<td>ANSI/VITA 46.9-2018</td>
<td>PMC/XMC Rear I/O Fabric Signal Mapping on 3U and 6U VPX Modules Standard</td>
<td>Revised</td>
<td>June 13, 2018</td>
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<td>Revised</td>
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<td>ANSI/VITA 47.3-2019</td>
<td>Class 3 Requirements for Environments, Design and Construction, Safety, and Quality for VITA 47 Plug-In Modules Standard</td>
<td>New</td>
<td>Aug 29, 2022</td>
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<td>ANSI/VITA 48.4-2018</td>
<td>Liquid Flow Through VPX Plug-In Module Standard</td>
<td>New</td>
<td>Jun 8, 2018</td>
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<td>ANSI/VITA 49.0-2015</td>
<td>VITA Radio Transport (VRT) Standard</td>
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<td>Apr 13, 2017</td>
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<td>ANSI/VITA 49.1-2015</td>
<td>VITA Radio Link Layer Standard</td>
<td>Reaffirmed</td>
<td>Apr 13, 2017</td>
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## Approved American National Standards

The data in this document is reported as of Monday, August 29, 2022

### VITA (VMEbus International Trade Association (VITA))

- **ANSI/VITA 51.0-2012 (R2018), Reliability Prediction** (reaffirmation of ANSI/VITA 51.0-2012)
  - Public Review Date: Aug 25, 2017 | Final Action Date: May 21, 2018 | **Approved**

  - Public Review Date: Jul 20, 2018 | Final Action Date: Oct 10, 2018 | **Approved**

- **ANSI/VITA 51.2-2016, Physics of Failure Reliability Predictions** (revision of ANSI/VITA 51.2-2011)
  - PINS Date: Oct 2, 2015 | Public Review Date: Jan 15, 2016 | Final Action Date: May 17, 2016 | **Approved**

- **ANSI/VITA 51.3-2010 (R2016), Qualification and Environmental Stress Screening in Support of Reliability Predictions** (reaffirmation of ANSI/VITA 51.3-2010)
  - Public Review Date: Feb 6, 2015 | Final Action Date: Aug 24, 2016 | **Approved**

  - PINS Date: Mar 6, 2015 | Public Review Date: Nov 16, 2018 | Final Action Date: Feb 15, 2019 | **Approved**

- **ANSI/VITA 57.4-2018, FPGA Mezzanine Card Plus(FMC+) Standard** (new standard)
  - PINS Date: Aug 18, 2017 | Public Review Date: Feb 23, 2018 | Final Action Date: Jul 24, 2018 | **Approved**

- **ANSI/VITA 60-2012 (R2018), Alternative Connector for VPX** (reaffirmation of ANSI/VITA 60-2012)
  - Public Review Date: Aug 25, 2017 | Final Action Date: May 21, 2018 | **Approved**

- **ANSI/VITA 61.0-2022, XMC 2.0** (revision of ANSI/VITA 61.0-2014)
  - Public Review Date: Nov 19, 2021 | Final Action Date: Feb 10, 2022 | **Approved**

  - PINS Date: Nov 16, 2018 | Public Review Date: Apr 22, 2022 | Final Action Date: Aug 24, 2022 | **Approved**

- **ANSI/VITA 62.2-2020, Modular Power Supply Standard for 270v Applications** (new standard)
  - PINS Date: Feb 1, 2019 | Public Review Date: Mar 6, 2020 | Final Action Date: Jul 10, 2020 | **Approved**

  - Public Review Date: Sep 4, 2020 | Final Action Date: Mar 15, 2022 | **Approved**

  - PINS Date: Mar 5, 2021 | Public Review Date: Jul 16, 2021 | Final Action Date: Oct 4, 2021 | **Approved**

  - PINS Date: Mar 5, 2021 | Public Review Date: Jul 16, 2021 | Final Action Date: Oct 4, 2021 | **Approved**

- **ANSI/VITA 66.0-2016, Optical Interconnect on VPX - Base Standard** (revision of ANSI/VITA 66.0-2011)
  - PINS Date: Jun 5, 2015 | Public Review Date: Dec 18, 2015 | Final Action Date: Jul 1, 2016 | **Approved**

- **ANSI/VITA 66.1-2012, Optical Interconnect on VPX - MT Variant** (new standard)
  - PINS Date: Apr 30, 2010 | Public Review Date: Oct 28, 2011 | Final Action Date: Dec 21, 2011 | **Approved**

- **ANSI/VITA 66.2-2013 (R2018), Optical Interconnect on VPX - ARINC 801 Termini Variant** (reaffirmation of ANSI/VITA 66.2-2013)
  - Public Review Date: Mar 23, 2018 | Final Action Date: Aug 16, 2018 | **Approved**

- **ANSI/VITA 66.3-2012 (R2018), Optical Interconnect on VPX - Mini Expanded Beam Variant** (reaffirmation of ANSI/VITA 66.3-2012)
  - Public Review Date: Mar 23, 2018 | Final Action Date: Sep 28, 2018 | **Approved**
VITA (VMEbus International Trade Association (VITA))

- 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

  PINS Date: May 11, 2018 | Public Review Date: Dec 24, 2021 | Final Action Date: Aug 18, 2022 | Approved

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

- ANSI/VITA 88.0-2021, Switched Mezzanine Card Plus (XMC+) Standard (new standard)
  PINS Date: Feb 5, 2021 | Public Review Date: Oct 8, 2021 | Final Action Date: Dec 9, 2021 | Approved

WCMA (Window Covering Manufacturers Association)
355 Lexington Avenue, 15th Floor, New York, NY 10017-6603 | w: www.wcmanet.org

- ANSI/WCMA A100.1-2018, Standard for Safety of Window Covering Products (revision of ANSI/WCMA A100.1-2014)
  PINS Date: May 12, 2017 | Public Review Date: Sep 22, 2017 | Final Action Date: Jan 8, 2018 | Approved

WDMA (Window and Door Manufacturers Association)
2001 K Street NW, Suite 300, Washington, DC 20006 | w: www.wdma.com

  PINS Date: Mar 16, 2018 | Public Review Date: Sep 25, 2020 | Final Action Date: Jan 15, 2021 | Approved
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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)

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

WMMA (ASC O1) (Wood Machinery Manufacturers of America)

- ANSI O1.1-2013, Standard for Woodworking Machinery Safety Requirements (revision of ANSI O1.1-2009)
  PINS Date: Feb 22, 2013 | Public Review Date: May 24, 2013 | Final Action Date: Aug 22, 2013 | Approved

  Public Review Date: Sep 10, 2021 | Final Action Date: Mar 18, 2022 | Approved

- ANSI/WMMA O1.1-3-2014 (R2022), Safety Requirements for CNC Machining Centers for the Woodworking Industry (reaffirmation of ANSI/WMMA O1.1-3-2014)
  Public Review Date: Sep 10, 2021 | Final Action Date: Mar 18, 2022 | Approved

- ANSI/WMMA O1.1-4-2015 (R2022), Safety Requirements for Shapers (reaffirmation of ANSI/WMMA O1.1-4-2015)
  Public Review Date: Sep 10, 2021 | Final Action Date: Mar 18, 2022 | Approved

X12 (X12 Incorporated)

- 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