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# Project Initiation Notification System (PINS)

ANSI Procedures require notification of ANSI by ANSI-accredited standards developers (ASD) of the initiation and scope of activities expected to result in new or revised American National Standards (ANS). Early notification of activity intended to reaffirm or withdraw an ANS and in some instances a PINS related to a national adoption is optional. The mechanism by which such notification is given is referred to as the PINS process. For additional information, see clause 2.4 of the ANSI Essential Requirements: Due Process Requirements for American National Standards.

Following is a list of proposed actions and new ANS that have been received recently from ASDs. Please also review the section in Standards Action entitled "American National Standards Maintained Under Continuous Maintenance" for additional or comparable information with regard to standards maintained under the continuous maintenance option. Use the following Public Document Library url to access PDF & EXCEL reports of approved & proposed ANS: [List of Approved and Proposed ANS](#)

Directly and materially affected interests wishing to receive more information or to submit comments are requested to contact the standards developer directly within 30 days of the publication of this announcement.

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## **FM (FM Approvals)**

1151 Boston-Providence Turnpike | Norwood, MA 02062 [www.fmglobal.com](http://www.fmglobal.com)  
 Contact: Josephine Mahnken; [josephine.mahnken@fmapprovals.com](mailto:josephine.mahnken@fmapprovals.com)

### **Revision**

BSR/FM 5560-202x, Water Mist Systems (revision of ANSI/FM 5560-2017)

Stakeholders: Water mist system manufacturers, standard authorities, fire research testing laboratories, fire protection installation contractors, industry risk managers and plant protection specialists, and fire protection AHJ's (authorities having jurisdiction).

Project Need: Updates to existing fire test appendices and adding additional fire test appendices.

Scope: To provide component, system, and fire performance guidance, for water mist systems for fire protection

## **IKECA (International Kitchen Exhaust Cleaning Association)**

2331 Rock Spring Road | Forest Hill, MD 21050 [www.ikeca.org](http://www.ikeca.org)  
 Contact: Christine Wilks; [christine@ikeca.org](mailto:christine@ikeca.org)

### **Revision**

BSR/IKECA M-10-202x, Standard for the Methodology for Maintenance of Commercial Kitchen Exhaust Systems (revision of ANSI/IKECA M-10-2019)

Stakeholders: Contract Cleaning industry; code enforcement authorities; fire prevention authorities; Insurance industry; Food Service industry; property owners; system designers; engineers, maintainers and installers; and manufacturers.

Project Need: Commercial kitchen exhaust systems remove grease-laden vapor resulting from cooking operations. These systems become contaminated with grease and cooking by-products over time. Accumulations of these contaminants create a fire hazard to kitchen staff, patrons, other building occupants, and property. For this reason, cleaning of kitchen exhaust systems on a periodic basis is necessary to mitigate the hazard.

Scope: Commercial kitchen exhaust systems remove grease-laden vapor resulting from cooking operations. These systems become contaminated with grease and cooking by-products over time. Accumulations of these contaminants create a fire hazard to kitchen staff, patrons, other building occupants and property. For this reason, cleaning of kitchen exhaust systems on a periodic basis is necessary to mitigate the hazard.

**NENA (National Emergency Number Association)**

1700 Diagonal Road, Suite 500 | Alexandria, VA 22314 [www.nena.org](http://www.nena.org)

Contact: Delaine Arnold; [darnold@nena.org](mailto:darnold@nena.org)

***New Standard***

BSR/NENA STA-045.1-202x, NENA Standard for 911-988 Interagency Response to Mental Health Calls (new standard)

Stakeholders: 9-1-1 producers, 9-1-1 users, general interest.

Project Need: The FCC's creation of a national three-digit number for individuals experiencing a mental health crisis and the July 2022 implementation deadline for communications providers to deliver 988 calls necessitates consideration and clear documentation on how 988 will work cooperatively with public safety entities and ECC's to effectively address mental health caller needs and response resource allocation.

Scope: The 911-988 operations workgroup seeks to provide call- and information-sharing solutions to Emergency Communications Centers (ECCs) and 988 call centers. The goal is to provide uniform best practices to stakeholders in the ECC environment and the new 988 system; and begin to address each entity's role and responsibility, the processes and training needed to properly handle mental health crises. The standard will define how the 988 system can interconnect and utilize the 911 system for accurate 988 call routing and support for text messaging to 988.

**TAPPI (Technical Association of the Pulp and Paper Industry)**

15 Technology Parkway, Suite 115 | Peachtree Corners, GA 30092 [www.tappi.org](http://www.tappi.org)

Contact: Natasha Bush-Postell; [standards@tappi.org](mailto:standards@tappi.org)

***New Standard***

BSR/TAPPI T 519 om-202x, Diffuse opacity of paper (d/0 paper backing) (new standard)

Stakeholders: Manufacturers of pulp, paper, packaging, or related products; consumers or converters of such products; and suppliers of equipment, supplies, or raw materials for the manufacture of such products.

Project Need: To conduct required five-year review of an existing TAPPI Standard.

Scope: This method provides a measure of diffuse opacity (paper backing) of white and near-white papers, previously known as "printing opacity."

**TAPPI (Technical Association of the Pulp and Paper Industry)**

15 Technology Parkway, Suite 115 | Peachtree Corners, GA 30092 [www.tappi.org](http://www.tappi.org)

Contact: Natasha Bush-Postell; [standards@tappi.org](mailto:standards@tappi.org)

***New Standard***

BSR/TAPPI T 1214 sp-202x, Interrelation of reflectance, R<sub>0</sub>; reflectivity, R; TAPPI opacity, C<sub>0.89</sub>; scattering, s; and absorption, k (new standard)

Stakeholders: Manufacturers of pulp, paper, packaging, or related products; consumers or converters of such products; and suppliers of equipment, supplies, or raw materials for the manufacture of such products.

Project Need: To conduct required five-year review of an existing TAPPI Standard.

Scope: The following interrelationships will be found particularly useful in predicting the effect upon opacity when a change occurs in either the basis weight or the reflectivity of a sheet of paper.

**TAPPI (Technical Association of the Pulp and Paper Industry)**

15 Technology Parkway, Suite 115 | Peachtree Corners, GA 30092 [www.tappi.org](http://www.tappi.org)

Contact: Natasha Bush-Postell; [standards@tappi.org](mailto:standards@tappi.org)

***New Standard***

BSR/TAPPI T 1219 sp-202x, Storage of paper samples for optical measurements and color matching (new standard)

Stakeholders: Manufacturers of pulp, paper, packaging, or related products; consumers or converters of such products; and suppliers of equipment, supplies, or raw materials for the manufacture of such products.

Project Need: To conduct required five-year review of an existing TAPPI Standard.

Scope: Procedures for handling and storing samples are generally based on the premise that heat and light are the two primary factors affecting change.

# Call for Comment on Standards Proposals

## American National Standards

This section solicits public comments on proposed draft new American National Standards, including the national adoption of ISO and IEC standards as American National Standards, and on proposals to revise, reaffirm or withdraw approval of existing American National Standards. A draft standard is listed in this section under the ANSI-accredited standards developer (ASD) that sponsors it and from whom a copy may be obtained. Comments in connection with a draft American National Standard must be submitted in writing to the ASD no later than the last day of the comment period specified herein. Such comments shall be specific to the section (s) of the standard under review and include sufficient detail so as to enable the reader to understand the commenter's position, concerns and suggested alternative language, if appropriate. Please note that the ANSI Executive Standards Council (ExSC) has determined that an ASD has the right to require that interested parties submit public review comments electronically, in accordance with the developer's procedures.

### Ordering Instructions for "Call-for-Comment" Listings

1. Order from the organization indicated for the specific proposal.
2. Use the full identification in your order, including the BSR prefix; for example, Electric Fuses BSR/SAE J554.
3. Include remittance with all orders.
4. BSR proposals will not be available after the deadline of call for comment.

Comments should be addressed to the organization indicated, with a copy to the Board of Standards Review, American National Standards Institute, 25 West 43rd Street, New York, NY 10036. e-mail: [psa@ansi.org](mailto:psa@ansi.org)

\* Standard for consumer products

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## Comment Deadline: January 9, 2022

### NSF (NSF International)

789 N. Dixboro Road, Ann Arbor, MI 48105-9723 | [aburr@nsf.org](mailto:aburr@nsf.org), [www.nsf.org](http://www.nsf.org)

#### Revision

BSR/NSI 373-202x (i6r1), Sustainability Assessment - Natural Dimension Stone (revision and redesignation of ANSI/NSC 373-2019)

This sustainability standard establishes criteria to measure the extent to which natural stone has been produced sustainably. The standard applies to all processors of natural stone, from quarry operations through final stone fabrication, and is intended to allow for both domestic and international market participation from natural dimension stone producers. In practice, the facility operator applies this Standard to quarry operations, stone fabrication, or both.

[Click here to view these changes in full](#)

Send comments (copy [psa@ansi.org](mailto:psa@ansi.org)) to: Andrea Burr; [aburr@nsf.org](mailto:aburr@nsf.org)

### UL (Underwriters Laboratories)

12 Laboratory Drive, Research Triangle Park, NC 27709-3995 | [Joshua.Johnson@ul.org](mailto:Joshua.Johnson@ul.org), <https://ul.org/>

#### Revision

BSR/UL 651-202X, Standard for Schedule 40, 80, Type EB and A Rigid PVC Conduit and Fittings (revision of ANSI/UL 651-2020)

(1) Revise Table 5.1; (2) PVC offset fittings.

[Click here to view these changes in full](#)

Send comments (copy [psa@ansi.org](mailto:psa@ansi.org)) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: <https://csds.ul.com/Home/ProposalsDefault.aspx>

## Comment Deadline: January 9, 2022

### UL (Underwriters Laboratories)

47173 Benicia Street, Fremont, CA 94538 | Paul.E.Lloret@ul.org, <https://ul.org/>

#### **Revision**

BSR/UL 1484-202x, Standard for Safety for Residential Gas Detectors (revision of ANSI/UL 1484-2008 (R2017))  
Proposal introduces a revision to change the detection threshold for natural gas and propane gas from 25 percent to 10 percent in Section 49, Detection Threshold Tests.

[Click here to view these changes in full](#)

Send comments (copy [psa@ansi.org](mailto:psa@ansi.org)) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: <https://csds.ul.com/Home/ProposalsDefault.aspx>

## Comment Deadline: January 24, 2022

### AMCA (Air Movement and Control Association)

30 West University Drive, Arlington Heights, IL 60004-1893 | [jbrooks@amca.org](mailto:jbrooks@amca.org), [www.amca.org](http://www.amca.org)

#### **Revision**

BSR/AMCA Standard 500-L-202x, Laboratory Methods of Testing Louvers for Rating (revision of ANSI/AMCA Standard 500-L-2015)

The purpose of this standard is to establish uniform laboratory test methods for louvers. Characteristics to be determined include air leakage, pressure drop, water penetration, wind-driven rain, wind-driven sand, and operational torque. It is not the purpose of this standard to establish minimum or maximum performance ratings.

Single copy price: \$45.00 (Members; price); \$90.00 (Non-member price)

Obtain an electronic copy from: [jbrooks@amca.org](mailto:jbrooks@amca.org)

Order from: Joseph Brooks, AMCA International, Inc., 30 West University Drive, Arlington Heights, IL 60004.

Send comments (copy [psa@ansi.org](mailto:psa@ansi.org)) to: Joseph Brooks; [jbrooks@amca.org](mailto:jbrooks@amca.org)

### ANS (American Nuclear Society)

555 North Kensington Avenue, La Grange Park, IL 60526 | [kmurdoch@ans.org](mailto:kmurdoch@ans.org), [www.ans.org](http://www.ans.org)

#### **Reaffirmation**

BSR/ANS 8.26-2007 (R202x), Criticality Safety Engineer Training and Qualification Program (reaffirmation of ANSI/ANS 8.26-2007 (R2016))

This standard presents the fundamental elements of a training and qualification program for individuals with responsibilities for performing the various technical aspects of criticality safety engineering. The standard presents a flexible array of competencies for use by management to develop tailored training and qualification programs applicable to site-specific job functions, facilities, and operations.

Single copy price: \$44.00

Obtain an electronic copy from: [orders@ans.org](mailto:orders@ans.org)

Order from: [orders@ans.org](mailto:orders@ans.org)

Send comments (copy [psa@ansi.org](mailto:psa@ansi.org)) to: Patricia Schroeder; [pschroeder@ans.org](mailto:pschroeder@ans.org)

## Comment Deadline: January 24, 2022

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

520 N. Northwest Highway, Park Ridge, IL 60068 | LBauerschmidt@assp.org, www.assp.org

#### **Revision**

BSR/ASSP Z9.5-202X, Laboratory Ventilation (revision and redesignation of ANSI/AIHA Z9.5-2010)

This standard applies to the ventilation in most laboratories and is written for all laboratory ventilation stakeholders. An emphasis is placed on those with legal responsibilities and liability for providing a safe laboratory. However, users/operators, industrial hygienists, and other safety and environmental professionals will also find the standard written for their needs.

Single copy price: \$110.00

Obtain an electronic copy from: LBauerschmidt@assp.org

Order from: Lauren Bauerschmidt; LBauerschmidt@assp.org

Send comments (copy psa@ansi.org) to: Same

### **ASTM (ASTM International)**

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

#### **New Standard**

BSR/ASTM WK69536-202x, Test Method for Static Loading of Treestands, Climbing Sticks, and Tripod or Tower Stands (new standard)

[https://www.astm.org/ANSI\\_SA](https://www.astm.org/ANSI_SA)

Single copy price: Free

Obtain an electronic copy from: cleonard@astm.org

Order from: Corice Leonard; accreditation@astm.org

Send comments (copy psa@ansi.org) to: Same

### **ASTM (ASTM International)**

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

#### **New Standard**

BSR/ASTM WK72409-202x, Test Methods for Measuring Impact Attenuation Characteristics of Helmets Under Induced Rotational Loading (new standard)

[https://www.astm.org/ANSI\\_SA](https://www.astm.org/ANSI_SA)

Single copy price: Free

Obtain an electronic copy from: cleonard@astm.org

Order from: Corice Leonard; accreditation@astm.org

Send comments (copy psa@ansi.org) to: Same

### **ASTM (ASTM International)**

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

#### **Reaffirmation**

BSR/ASTM F670-2012 (R202x), Specification for Tanks, 5 and 10-Gal (20 and 40-L) Lube Oil Dispensing (reaffirmation of ANSI/ASTM F670-2012 (R2017))

[https://www.astm.org/ANSI\\_SA](https://www.astm.org/ANSI_SA)

Single copy price: Free

Obtain an electronic copy from: cleonard@astm.org

Order from: Corice Leonard; accreditation@astm.org

Send comments (copy psa@ansi.org) to: Same

## Comment Deadline: January 24, 2022

### ASTM (ASTM International)

100 Barr Harbor Drive, West Conshohocken, PA 19428-2959 | [accreditation@astm.org](mailto:accreditation@astm.org), [www.astm.org](http://www.astm.org)

#### **Reaffirmation**

BSR/ASTM F987-2004 (R202x), Specification for Portable Intermediate Flush Deck Stanchion (reaffirmation of ANSI/ASTM F987-2004 (R2017))

[https://www.astm.org/ANSI\\_SA](https://www.astm.org/ANSI_SA)

Single copy price: Free

Obtain an electronic copy from: [cleonard@astm.org](mailto:cleonard@astm.org)

Order from: Corice Leonard; [accreditation@astm.org](mailto:accreditation@astm.org)

Send comments (copy [psa@ansi.org](mailto:psa@ansi.org)) to: Same

### ASTM (ASTM International)

100 Barr Harbor Drive, West Conshohocken, PA 19428-2959 | [accreditation@astm.org](mailto:accreditation@astm.org), [www.astm.org](http://www.astm.org)

#### **Revision**

BSR/ASTM D2749-202x, Symbols for Dimensions of Plastic Pipe Fittings (revision of ANSI/ASTM D2749-2013)

[https://www.astm.org/ANSI\\_SA](https://www.astm.org/ANSI_SA)

Single copy price: Free

Obtain an electronic copy from: [cleonard@astm.org](mailto:cleonard@astm.org)

Order from: Corice Leonard; [accreditation@astm.org](mailto:accreditation@astm.org)

Send comments (copy [psa@ansi.org](mailto:psa@ansi.org)) to: Same

### AWS (American Welding Society)

8669 NW 36th Street, Suite 130, Miami, FL 33166-6672 | [jrosario@aws.org](mailto:jrosario@aws.org), [www.aws.org](http://www.aws.org)

#### **Revision**

BSR/AWS B2.1-1-234-202x-AMD1, Standard Welding Procedure Specification (SWPS) for 75% Argon Plus 25% Carbon Dioxide Shielded Flux-Cored Arc Welding of Carbon Steel (M-1/P-1, Group 1 or 2), 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, E7XT-X, in the As-Welded or PWHT Condition, Primarily Pipe Applications (revision and redesignation of ANSI/AWS B2.1-1-234:2020)

This standard contains the essential welding variables for carbon steel in the thickness range of 1/8 inch [3 mm] through 1-1/2 inches [38 mm], using 75% argon plus 25% carbon dioxide shielded flux-cored arc welding. It cites the base metals and operating conditions necessary to make the weldment, the filler metal specifications, and the allowable joint designs for groove and fillet welds. This SWPS was developed primarily for pipe applications.

Single copy price: \$136.00

Obtain an electronic copy from: [jrosario@aws.org](mailto:jrosario@aws.org)

Order from: Jennifer Rosario; [jrosario@aws.org](mailto:jrosario@aws.org)

Send comments (copy [psa@ansi.org](mailto:psa@ansi.org)) to: Same



## Comment Deadline: January 24, 2022

### **AWS (American Welding Society)**

8669 NW 36th Street, Suite 130, Miami, FL 33166-6672 | [jrosario@aws.org](mailto:jrosario@aws.org), [www.aws.org](http://www.aws.org)

#### **Revision**

BSR/AWS B2.1-1-235-202x-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)

This standard contains the essential welding variables for carbon steel in the thickness range of 1/8 inch [3 mm] through 1-1/2 inches [38 mm], using 98% argon plus 2% oxygen shielded gas metal arc welding (spray transfer mode). It cites the base metals and operating conditions necessary to make the weldment, the filler metal specifications, and the allowable joint designs for groove and fillet welds. This SWPS was developed primarily for pipe applications.

Single copy price: \$136.00

Obtain an electronic copy from: [jrosario@aws.org](mailto:jrosario@aws.org)

Order from: Jennifer Rosario; [jrosario@aws.org](mailto:jrosario@aws.org)

Send comments (copy [psa@ansi.org](mailto:psa@ansi.org)) to: Same

### **CSA (CSA America Standards Inc.)**

8501 East Pleasant Valley Road, Cleveland, OH 44131-5575 | [ansi.contact@csagroup.org](mailto:ansi.contact@csagroup.org), [www.csagroup.org](http://www.csagroup.org)

#### **Revision**

BSR/CSA LC 4/CSA 6.32-202x, 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))

This Standard applies to metallic (copper, steel, stainless steel, and malleable iron) press-connect type fittings, and valves (referred to as fittings in this standard unless otherwise specified) for use with fuel-gas systems intended for installation above ground, below ground, indoors, and outdoors.

Single copy price: Free

Obtain an electronic copy from: [ansi.contact@csagroup.org](mailto:ansi.contact@csagroup.org)

Send comments (copy [psa@ansi.org](mailto:psa@ansi.org)) to: [ansi.contact@csagroup.org](mailto:ansi.contact@csagroup.org)

### **ECIA (Electronic Components Industry Association)**

13873 Park Center Road, Suite 315, Herndon, VA 20171 | [ldonohoe@ecianow.org](mailto:ldonohoe@ecianow.org), [www.ecianow.org](http://www.ecianow.org)

#### **New Standard**

BSR/EIA 364-123-202x, High-Temperature Exposure with Contact-Loading Test Procedure for Electrical Connectors (new standard)

This test procedure establishes a test method to determine with high-temperature exposure to the connector, that the contacts shall maintain their specified locations and that there shall be no electrical discontinuity while the contact is under a load.

Single copy price: \$75.00

Obtain an electronic copy from: <https://global.ihs.com/>

Order from: Global Engineering Documents, (800) 854-7179, [www.global.ihs.com](http://www.global.ihs.com)

Send comments (copy [psa@ansi.org](mailto:psa@ansi.org)) to: Ed Mikoski; [emikoski@ecianow.org](mailto:emikoski@ecianow.org)

## Comment Deadline: January 24, 2022

### FM (FM Approvals)

1151 Boston-Providence Turnpike, Norwood, MA 02062 | josephine.mahnken@fmaprovals.com, www.fmglobal.com

#### **Reaffirmation**

BSR/FM 4881-2017 (R202x), Evaluating Exterior Wall Systems (reaffirmation of ANSI/FM 4881-2017)

This test standard sets performance requirements for Exterior Wall Systems by evaluating the ability of these products to limit fire propagation over and/or through the assembly when exposed to an ignition source simulating a building fire. The standard also sets the performance requirements for exterior wall panels when exposed to various natural hazards such as the cyclic nature of high-wind events, the impact of simulated hail and, where required, the impact of windborne debris during hurricanes, tropical cyclones, and typhoons.

Single copy price: Free

Obtain an electronic copy from: josephine.mahnken@fmaprovals.com

Send comments (copy psa@ansi.org) to: josephine.mahnken@fmaprovals.com

### TIA (Telecommunications Industry Association)

1320 North Courthouse Road, Suite 200, Arlington, VA 22201-2598 | standards-process@tiaonline.org, www.tiaonline.org

#### **New Standard**

BSR/TIA 5071-202x, Requirements for Field Test Instruments and Measurements for Balanced Single Twisted-Pair Cabling (new standard)

This Standard specifies the reporting and accuracy performance requirements of field testers for balanced single twisted-pair cabling measurements specified in ANSI/TIA 568.5 and the appropriate 42.9 document. This Standard contains methods to compare the field instrument measurements against laboratory equipment measurements specified in ANSI/TIA 568.5. Measurement accuracy is based upon the assumptions for key performance parameters are addressed.

Single copy price: \$112.00

Obtain an electronic copy from: TIA (standards-process@tiaonline.org)

Order from: TIA; standards-process@tiaonline.org

Send comments (copy psa@ansi.org) to: standards-process@tiaonline.org

### UL (Underwriters Laboratories)

333 Pfingsten Road, Northbrook, IL 60062 | Elizabeth.Northcott@ul.org, https://ul.org/

#### **Revision**

BSR/UL 558-202x, Standard for Safety for Industrial Trucks, Internal Combustion Engine-Powered (revision of ANSI/UL 558-2021)

(1) Revision to surface temperature testing requirements to lower the minimum required ambient temperature.

Single copy price: Free

Obtain an electronic copy from: https://csds.ul.com/Home/ProposalsDefault.aspx

Order from: http://www.shopulstandards.com

Send comments (copy psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: https://csds.ul.com/Home/ProposalsDefault.aspx

## Comment Deadline: January 24, 2022

### UL (Underwriters Laboratories)

47173 Benicia Street, Fremont, CA 94538 | Linda.L.Phinney@ul.org, <https://ul.org/>

#### **Revision**

BSR/UL 719-202x, Standard for Nonmetallic Sheathed Cable (December 10, 2021) (revision of ANSI/UL 719-2018a)

This proposal covers: (1) Low-temperature unwind test, Revised 5.12.1, 5.12.2, 7.11.2.1 – 7.11.2.3, 7.11.3, 7.11.3.1 – 7.11.3.4, 7.11.4.1, and Tables 7 and 8

Single copy price: Free

Obtain an electronic copy from: <https://csds.ul.com/Home/ProposalsDefault.aspx>

Order from: <http://www.shopulstandards.com>

Send comments (copy [psa@ansi.org](mailto:psa@ansi.org)) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: <https://csds.ul.com/Home/ProposalsDefault.aspx>

## Comment Deadline: February 8, 2022

### ITI (INCITS) (InterNational Committee for Information Technology Standards)

700 K Street NW, Suite 600, Washington, DC 20001 | [comments@standards.incits.org](mailto:comments@standards.incits.org), [www.incits.org](http://www.incits.org)

#### **National Adoption**

INCITS/ISO/IEC 9797-3:2011/AM1:2020 [202x], Information technology - Security techniques - Message Authentication Codes (MACs) - Part 3: Mechanisms using a universal hash-function - Amendment 1 (identical national adoption of ISO/IEC 9797-3:2011/AM1:2020)

Amendment 1 to ISO/IEC 9797-3:2011.

Single copy price: \$20.00

Obtain an electronic copy from: <http://webstore.ansi.org/>

Order from: <http://webstore.ansi.org/>

Send comments (copy [psa@ansi.org](mailto:psa@ansi.org)) to: [comments@standards.incits.org](mailto:comments@standards.incits.org)

### ITI (INCITS) (InterNational Committee for Information Technology Standards)

700 K Street NW, Suite 600, Washington, DC 20001 | [comments@standards.incits.org](mailto:comments@standards.incits.org), [www.incits.org](http://www.incits.org)

#### **National Adoption**

INCITS/ISO/IEC 9798-4:1999/COR1:2009 [202x], Information technology - Security techniques - Entity authentication - Part 4: Mechanisms using a cryptographic check function - Technical Corrigendum 1 (identical national adoption of ISO/IEC 9798-4:1999/COR1:2009)

Technical Corrigendum 1 to ISO/IEC 9798-4:1999.

Single copy price: Free

Obtain an electronic copy from: <http://webstore.ansi.org/>

Order from: <http://webstore.ansi.org/>

Send comments (copy [psa@ansi.org](mailto:psa@ansi.org)) to: [comments@standards.incits.org](mailto:comments@standards.incits.org)

## Comment Deadline: February 8, 2022

### **ITI (INCITS) (InterNational Committee for Information Technology Standards)**

700 K Street NW, Suite 600, Washington, DC 20001 | [comments@standards.incits.org](mailto:comments@standards.incits.org), [www.incits.org](http://www.incits.org)

#### ***National Adoption***

INCITS/ISO/IEC 9798-4:1999/COR2:2012 [202x], Information technology - Security techniques - Entity authentication - Part 4: Mechanisms using a cryptographic check function - Technical Corrigendum 2 (identical national adoption of ISO/IEC 9798-4:1999/COR2:2012)

Technical Corrigendum 2 to ISO/IEC 9798-4:1999.

Single copy price: Free

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#### ***National Adoption***

INCITS/ISO/IEC 10118-1:2016/AM1:2021 [202x], Information technology - Security techniques - Hash-functions - Part 1: General - Amendment 1: Padding methods for sponge functions (identical national adoption of ISO/IEC 10118-1:2016/AM1:2021)

Amendment 1 to ISO/IEC 10118-1:2016.

Single copy price: \$20.00

Obtain an electronic copy from: <http://webstore.ansi.org/>

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#### ***National Adoption***

INCITS/ISO/IEC 10118-2:2010/COR1:2011 [202x], Information technology - Security techniques - Hash-functions - Part 2: Hash-functions using an n-bit block cipher - Technical Corrigendum 1 (identical national adoption of ISO/IEC 10118-2:2010/COR1:2011)

Technical Corrigendum 1 to ISO/IEC 10118-2:2010.

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#### ***National Adoption***

INCITS/ISO/IEC 11770-3:2015/AM1:2017 [202x], Information technology - Security techniques - Key management - Part 3: Mechanisms using asymmetric techniques - Amendment 1: Blinded Diffie-Hellman key agreement (identical national adoption of ISO/IEC 11770-3:2015/AM1:2017)

Amendment 1 to ISO/IEC 11770-3:2015.

Single copy price: \$20.00

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#### ***National Adoption***

INCITS/ISO/IEC 13888-2:2010/COR1:2012 [202x], Information technology - Security techniques - Non-repudiation - Part 2: Mechanisms using symmetric techniques - Technical Corrigendum 1 (identical national adoption of ISO/IEC 13888-2:2010/COR1:2012)

Technical Corrigendum 1 ISO/IEC 13888-2:2010.

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Obtain an electronic copy from: <http://webstore.ansi.org/>

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#### ***National Adoption***

INCITS/ISO/IEC 18033-2:2006/AM1:2017 [202x], Information technology - Security techniques - Encryption algorithms - Part 2: Asymmetric ciphers - Amendment 1: FACE (identical national adoption of ISO/IEC 18033-2:2006/AM1:2017)

Amendment 1 to ISO/IEC 18033-2:2006.

Single copy price: \$20.00

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#### ***National Adoption***

INCITS/ISO/IEC 18033-3:2010/AM1:2021 [202x], Information technology - Security techniques - Encryption algorithms - Part 3: Block ciphers - Amendment 1: SM4 (identical national adoption of ISO/IEC 18033-3:2010/AM1:2021)

Amendment 1 to ISO/IEC 18033-3:2010.

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#### ***National Adoption***

INCITS/ISO/IEC 20009-2:2013 [202x], Information technology - Security techniques - Anonymous entity authentication - Part 2: Mechanisms based on signatures using a group public key (identical national adoption of ISO/IEC 20009-2:2013)

Specifies anonymous entity authentication mechanisms based on signatures using a group public key in which a verifier verifies a group signature scheme to authenticate the entity with which it is communicating, without knowing this entity's identity. Provides: a general description of an anonymous entity authentication mechanism based on signatures using a group public key; a variety of mechanisms of this type. Describes: the group-membership issuing processes; anonymous authentication mechanisms without an online Trusted Third Party (TTP); anonymous authentication mechanisms involving an online TTP.

Single copy price: \$225.00

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#### ***National Adoption***

INCITS/ISO/IEC 20009-4:2017 [202x], Information technology - Security techniques - Anonymous entity authentication - Part 4: Mechanisms based on weak secrets (identical national adoption of ISO/IEC 20009-4:2017)

Specifies anonymous-entity authentication mechanisms based on weak secrets. The precise operation of each mechanism is specified, together with details of all inputs and outputs. This document is applicable to situations in which the server only verifies that the user belongs to a certain user group without obtaining any information that can be used to identify the user later on.

Single copy price: \$140.00

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#### ***National Adoption***

INCITS/ISO/IEC 20085-1:2019 [202x], IT Security techniques - Test tool requirements and test tool calibration methods for use in testing non-invasive attack mitigation techniques in cryptographic modules - Part 1: Test tools and techniques (identical national adoption of ISO/IEC 20085-1:2019)

Provides specifications for non-invasive attack test tools and provides information about how to operate such tools. The purpose of the test tools is the collection of signals (i.e., side-channel leakage) and their analysis as a non-invasive attack on a cryptographic module implementation under test (IUT).

Single copy price: \$111.00

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#### ***National Adoption***

INCITS/ISO/IEC 27034-1:2011 [202x], Information technology - Security techniques - Application security - Part 1: Overview and concepts (identical national adoption of ISO/IEC 27034-1:2011)

Provides guidance to assist organizations in integrating security into the processes used for managing their applications. ISO/IEC 27034-1:2011 presents an overview of application security. It introduces definitions, concepts, principles, and processes involved in application security. ISO/IEC 27034 is applicable to in-house developed applications, applications acquired from third parties, and where the development or the operation of the application is outsourced.

Single copy price: \$225.00

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#### ***National Adoption***

INCITS/ISO/IEC 27034-1:2011/COR1:2014 [202x], Information technology - Security techniques - Application security - Part 1: Overview and concepts - Technical Corrigendum 1 (identical national adoption of ISO/IEC 27034-1:2011/COR1:2014)

Technical Corrigendum 1 to ISO/IEC 27034-1:2011.

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#### ***National Adoption***

INCITS/ISO/IEC 29192-1:2012 [202x], Information technology - Security techniques - Lightweight cryptography - Part 1: General (identical national adoption of ISO/IEC 29192-1:2012)

Provides terms and definitions that apply in subsequent parts of ISO/IEC 29192. ISO/IEC 29192-1:2012 sets the security requirements, classification requirements, and implementation requirements for mechanisms that are proposed for inclusion in subsequent parts of ISO/IEC 29192.

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#### ***National Adoption***

INCITS/ISO/IEC 18367:2016 [202x], Information technology - Security techniques - Cryptographic algorithms and security mechanisms conformance testing (identical national adoption of ISO/IEC 18367:2016)

Gives guidelines for cryptographic algorithms and security mechanisms conformance-testing methods.

Conformance testing assures that an implementation of a cryptographic algorithm or security mechanism is correct whether implemented in hardware, software, or firmware. It also confirms that it runs correctly in a specific operating environment. Testing can consist of known-answer or Monte Carlo testing, or a combination of test methods. Testing can be performed on the actual implementation or modeled in a simulation environment.

Single copy price: \$225.00

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#### ***National Adoption***

INCITS/ISO/IEC 20543:2019 [202x], Information technology - Security techniques - Test and analysis methods for random bit generators within ISO/IEC 19790 and ISO/IEC 15408 (identical national adoption of ISO/IEC 20543:2019)

Specifies a methodology for the evaluation of non-deterministic or deterministic random-bit generators intended to be used for cryptographic applications. The provisions given in this document enable the vendor of an RBG to submit well-defined claims of security to an evaluation authority and shall enable an evaluator or a tester (for instance, a validation authority), to evaluate, test, certify, or reject these claims.

Single copy price: \$200.00

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#### ***National Adoption***

INCITS/ISO/IEC 21827:2008 [202x], Information technology - Security techniques - Systems Security Engineering - Capability Maturity Model® (SSE-CMM®) (identical national adoption of ISO/IEC 21827:2008)

Specifies the Systems Security Engineering - Capability Maturity Model® (SSE-CMM®), which describes the essential characteristics of an organization's security engineering process that must exist to ensure good security engineering. ISO/IEC 21827:2008 does not prescribe a particular process or sequence, but captures practices generally observed in the industry.

Single copy price: \$250.00

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#### ***National Adoption***

INCITS/ISO/IEC 21878:2018 [202x], Information technology - Security techniques - Security guidelines for design and implementation of virtualized servers (identical national adoption of ISO/IEC 21878:2018)

Specifies security guidelines for the design and implementation of VSs. Design considerations focusing on identifying and mitigating risks, and implementation recommendations with respect to typical VSs are covered in this document. This document is not applicable to: (see also 5.3.2, Exclusions) desktop, OS, network, and storage virtualization; and vendor attestation. This document is intended to benefit any organization using and/or providing VSs.

Single copy price: \$149.00

Obtain an electronic copy from: <http://webstore.ansi.org/>

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#### ***National Adoption***

INCITS/ISO/IEC 27021:2017 [202x], Information technology - Security techniques - Competence requirements for information security management systems professionals (identical national adoption of ISO/IEC 27021:2017)

Specifies the requirements of competence for ISMS professionals leading or involved in establishing, implementing, maintaining, and continually improving one or more information-security management system processes that conforms to ISO/IEC 27001.

Single copy price: \$149.00

Obtain an electronic copy from: <http://webstore.ansi.org/>

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#### ***National Adoption***

INCITS/ISO/IEC 27031:2011 [202x], Information technology - Security techniques - Guidelines for information and communication technology readiness for business continuity (identical national adoption of ISO/IEC 27031:2011) Describes the concepts and principles of information and communication technology (ICT) readiness for business continuity, and provides a framework of methods and processes to identify and specify all aspects (such as performance criteria, design, and implementation) for improving an organization's ICT readiness to ensure business continuity.

Single copy price: \$200.00

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#### ***National Adoption***

INCITS/ISO/IEC 29150:2011/COR1:2014 [202x], Information technology - Security techniques - Signcryption - Technical Corrigendum 1 (identical national adoption of ISO/IEC 29150:2011/COR1:2014)

Technical Corrigendum 1 to ISO/IEC 29150:2011.

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## Project Withdrawn

In accordance with clause 4.2.1.3.3 Discontinuance of a standards project of the ANSI Essential Requirements, an accredited standards developer may abandon the processing of a proposed new or revised American National Standard or portion thereof if it has followed its accredited procedures. The following projects have been withdrawn accordingly:

### **ASTM (ASTM International)**

100 Barr Harbor Drive, West Conshohocken, PA 19428-2959 | [accreditation@astm.org](mailto:accreditation@astm.org), [www.astm.org](http://www.astm.org)

BSR/ASTM WK38788-202x, Specification For Crosslinked Polyethylene (PEX) OD Controlled Tubing for Hydronic Heating/Cooling Systems (new standard)

Inquiries may be directed to Corice Leonard; [accreditation@astm.org](mailto:accreditation@astm.org)

### **BEPP (Board of Executive Protection Professionals)**

8131 Dolce Flore Avenue, Las Vegas, NV 89178 | [info@ep-board.org](mailto:info@ep-board.org), <https://www.scg-lv.com/>

BSR/BEPP/AS-WV-PR-202x, Standard for Active Shooter and Workplace Violence Preparedness and Response (new standard)

Inquiries may be directed to James Cameron; [info@ep-board.org](mailto:info@ep-board.org)

## Project Withdrawn

### **TAPPI (Technical Association of the Pulp and Paper Industry)**

15 Technology Parkway, Suite 115, Peachtree Corners, GA 30092 | standards@tappi.org, www.tappi.org

*TAPPI intends to reinstate this standard as a newly proposed ANS and a PINS announcement will be published in Standards Action - Dec-10th 2021.*

BSR/TAPPI T 519 om-202x, Diffuse opacity of paper (d/0 paper backing) (revision of ANSI/TAPPI T 519 om-2011)  
Inquiries may be directed to Natasha Bush-Postell; standards@tappi.org

### **TAPPI (Technical Association of the Pulp and Paper Industry)**

15 Technology Parkway, Suite 115, Peachtree Corners, GA 30092 | standards@tappi.org, www.tappi.org

*TAPPI intends to reinstate this standard as a newly proposed ANS and a PINS announcement will be published in Standards Action - Dec-10th 2021.*

BSR/TAPPI T 1214 sp-2012 (R201x), Interrelation of reflectance, R<sub>0</sub>; reflectivity, R; TAPPI opacity, C<sub>0.89</sub>; scattering, s; and absorption, k (reaffirmation of ANSI/TAPPI T 1214 sp-2012)  
Inquiries may be directed to Natasha Bush-Postell; standards@tappi.org

### **TAPPI (Technical Association of the Pulp and Paper Industry)**

15 Technology Parkway, Suite 115, Peachtree Corners, GA 30092 | standards@tappi.org, www.tappi.org

*TAPPI intends to reinstate this standard as a newly proposed ANS and a PINS announcement will be published in Standards Action - Dec-10th 2021.*

BSR/TAPPI T 1219 sp-2012 (R201x), Storage of paper samples for optical measurements and color matching (reaffirmation of ANSI/TAPPI T 1219 sp-2012)  
Inquiries may be directed to Natasha Bush-Postell; standards@tappi.org

# Final Actions on American National Standards

The standards actions listed below have been approved by the ANSI Board of Standards Review (BSR) or by an ANSI-Audited Designator, as applicable.

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## **ANS (American Nuclear Society)**

555 North Kensington Avenue, La Grange Park, IL 60526 | kmurdoch@ans.org, www.ans.org

### *Reaffirmation*

ANSI/ANS 6.4.2-2006 (R2021), Specification for Radiation Shielding Materials (reaffirmation of ANSI/ANS 6.4.2-2006 (R2016)) Final Action Date: 12/2/2021

### *Revision*

ANSI/ANS 55.1-2021, Solid Radioactive Waste Processing System for Light-Water-Cooled Reactor Plants (revision of ANSI/ANS 55.1-1992 (R2017)) Final Action Date: 12/2/2021

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

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

### *Reaffirmation*

ANSI/ASAE EP411.5-2012 (R2021), Guidelines for Measuring and Reporting Environmental Parameters for Plant Experiments in Growth Chambers (reaffirmation of ANSI/ASAE EP411.5-2012 (R2016)) Final Action Date: 11/29/2021

### *Reaffirmation*

ANSI/ASAE S459-FEB93 (R2021), Shear and Three-Point Bending Test of Animal Bone (reaffirmation of ANSI/ASAE S459-FEB93 (R2017)) Final Action Date: 11/29/2021

### *Reaffirmation*

ANSI/ASAE S358.3 MAY2012 (R2021), Moisture Measurement - Forages (reaffirmation of ANSI/ASAE S358.3 MAY2012 (R2017)) Final Action Date: 11/29/2021

### *Reaffirmation*

ANSI/ASAE/NFBA EP486.3-2017 (R2021), Shallow Post and Pier Foundation Design (reaffirmation and redesignation of ANSI/ASAE EP486.3-2017) Final Action Date: 11/29/2021

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

275 West Street, Suite 107, Annapolis, MD 21401 | Ambria.frazier@x9.org, www.x9.org

### *Reaffirmation*

ANSI X9.121-2016 (R2021), Balance and Transaction Reporting Standard BTRS Version 3.1 (BTR3) (reaffirmation of ANSI X9.121-2016) Final Action Date: 11/30/2021

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

Two Park Avenue, M/S 6-2B, New York, NY 10016-5990 | ansibox@asme.org, www.asme.org

### *Revision*

ANSI/ASME B16.10-2021, Face-to-Face and End-to-End Dimensions of Valves (revision of ANSI/ASME B16.10-2017) Final Action Date: 12/2/2021

### *Revision*

ANSI/ASME RT-2-2021, Safety Standard for Structural Requirements for Heavy Rail Transit Vehicles (revision of ANSI/ASME RT-2-2014) Final Action Date: 11/30/2021

**ASTM (ASTM International)**

100 Barr Harbor Drive, West Conshohocken, PA 19428-2959 | [accreditation@astm.org](mailto:accreditation@astm.org), [www.astm.org](http://www.astm.org)

*New Standard*

ANSI/ASTM E3253-2021, Practice for Establishing an Examination Scheme for Intact Explosives (new standard) Final Action Date: 11/23/2021

*New Standard*

ANSI/ASTM E3325-2021, Practice for Sampling of Solar Photovoltaic Modules for Toxicity Testing (new standard) Final Action Date: 11/23/2021

*New Standard*

ANSI/ASTM E3329-2021, Practice for Establishing an Examination Scheme for Explosive Residues (new standard) Final Action Date: 11/23/2021

*New Standard*

ANSI/ASTM F3525-2021, Specification for Fabricated Fittings of Crosslinkable Polyethylene (CX-PE) (new standard) Final Action Date: 11/23/2021

*Reaffirmation*

ANSI/ASTM D3311-2017 (R2021), Specification for Drain, Waste, and Vent (DWV) Plastic Fittings Patterns (reaffirmation of ANSI/ASTM D3311-2017) Final Action Date: 11/23/2021

*Reaffirmation*

ANSI/ASTM E780-2017 (R2021), Test Method for Measuring the Insulation Resistance of Mineral-Insulated, Metal-Sheathed Thermocouples and Mineral-Insulated, Metal-Sheathed Cable at Room Temperature (reaffirmation of ANSI/ASTM E780-2017) Final Action Date: 11/23/2021

*Revision*

ANSI/ASTM D2235-2021, Specification for Solvent Cement for Acrylonitrile-Butadiene-Styrene (ABS) Plastic Pipe and Fittings (revision of ANSI/ASTM D2235-2004 (R2016)) Final Action Date: 11/23/2021

*Revision*

ANSI/ASTM D2661-2021, Specification for Acrylonitrile-Butadiene-Styrene (ABS) Schedule 40 Plastic Drain, Waste, and Vent Pipe and Fittings (revision of ANSI/ASTM D2661-2014E1) Final Action Date: 11/23/2021

*Revision*

ANSI/ASTM D3122-2021, Specification for Solvent Cements for Styrene-Rubber (SR) Plastic Pipe and Fittings (revision of ANSI/ASTM D3122-2015) Final Action Date: 11/23/2021

*Revision*

ANSI/ASTM D3138-2021, Specification for Solvent Cements for Transition Joints between Acrylonitrile-Butadiene-Styrene (ABS) and Poly(Vinyl Chloride) (PVC) Non-Pressure Piping Components (revision of ANSI/ASTM D3138-2004 (R2016)) Final Action Date: 11/23/2021

*Revision*

ANSI/ASTM D3212-2021, Specification for Joints for Drain and Sewer Plastic Pipes Using Flexible Elastomeric Seals (revision of ANSI/ASTM D3212-2020) Final Action Date: 12/1/2021

*Revision*

ANSI/ASTM D4477-2021, Specification for Rigid (Unplasticized) Poly(Vinyl Chloride) (PVC) Soffit (revision of ANSI/ASTM D4477-2016) Final Action Date: 11/23/2021

**ASTM (ASTM International)**

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

*Revision*

ANSI/ASTM E1652-2021, Specification for Magnesium Oxide and Aluminum Oxide Powder and Crushable Insulators Used in the Manufacture of Base Metal Thermocouples, Metal-Sheathed Platinum Resistance Thermometers, and Noble Metal Thermocouples (revision of ANSI/ASTM E1652-2017) Final Action Date: 11/23/2021

*Revision*

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)) Final Action Date: 11/23/2021

*Revision*

ANSI/ASTM E2148-2021, Guide for Using Documents Related to Metalworking or Metal Removal Fluid Health and Safety (revision of ANSI/ASTM E2148-2016) Final Action Date: 11/23/2021

*Revision*

ANSI/ASTM E2653-2021, Practice for Conducting an Interlaboratory Study to Determine Precision Estimates for a Fire Test Method with Fewer Than Six Participating Laboratories (revision of ANSI/ASTM E2653-2015) Final Action Date: 12/1/2021

*Revision*

ANSI/ASTM E2657-2021, Practice for Determination of Endotoxin Concentrations in Water-Miscible Metalworking Fluids (revision of ANSI/ASTM E2657-2016) Final Action Date: 11/23/2021

*Revision*

ANSI/ASTM E2694-2021, Test Method for Measurement of Adenosine Triphosphate in Water-Miscible Metalworking Fluids (revision of ANSI/ASTM E2694-2016) Final Action Date: 11/23/2021

*Revision*

ANSI/ASTM F1973-2021, Specification for Factory Assembled Anodeless Risers and Transition Fittings in Polyethylene (PE) and Polyamide 11 (PA11) and Polyamide 12 (PA12) Fuel Gas Distribution Systems (revision of ANSI/ASTM F1973-2013 (R2018)) Final Action Date: 11/23/2021

*Revision*

ANSI/ASTM F2487-2021, Practice for Infiltration and Exfiltration Acceptance Testing of Installed Corrugated High Density Polyethylene and Polypropylene Pipelines (revision of ANSI/ASTM F2487-2017 (R2017)) Final Action Date: 12/1/2021

*Revision*

ANSI/ASTM F2713-2021, Specification for Eye Protectors for Field Hockey (revision of ANSI/ASTM F2713-2018) Final Action Date: 12/1/2021

*Revision*

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) Final Action Date: 11/23/2021

*Revision*

ANSI/ASTM F2897-2021, Specification for Tracking and Traceability Encoding System of Natural Gas Distribution Components (Pipe, Tubing, Fittings, Valves, and Appurtenances) (revision of ANSI/ASTM F2897-2015A) Final Action Date: 11/23/2021

*Revision*

ANSI/ASTM F3077-2021, Specification for Eye Protectors for Womens Lacrosse (revision of ANSI/ASTM F3077-2017) Final Action Date: 12/1/2021

**AWS (American Welding Society)**

8669 NW 36th Street, Suite 130, Miami, FL 33166-6672 | [jrosario@aws.org](mailto:jrosario@aws.org), [www.aws.org](http://www.aws.org)

*New Standard*

ANSI/AWS B2.1-5A-222-2021, Standard Welding Procedure Specification (SWPS) for Gas Tungsten Arc Welding of Chromium-Molybdenum Steel (M-5A/P-5A), ER90S-B3, 1/8 inch [3 mm] through 1/2 inch [13 mm] Thick, As-Welded Condition; 1/8 inch [3 mm] through 3/4 inch [19 mm] Thick, PWHT Condition, Primarily Pipe Applications (new standard) Final Action Date: 12/2/2021

*New Standard*

ANSI/AWS B2.1-5A-223-2021, Standard Welding Procedure Specification (SWPS) for Shielded Metal Arc Welding of Chromium-Molybdenum Steel (M-5A/P-5A), E9018-B3, 1/8 inch [3 mm] through 1/2 inch [13 mm] Thick, As-Welded Condition; 1/8 inch [13 mm] through 1-1/2 inch [38 mm] Thick, PWHT Condition, Primarily Pipe Applications (new standard) Final Action Date: 12/2/2021

*New Standard*

ANSI/AWS B2.1-5A-224-2021, Standard Welding Procedure Specification (SWPS) for Gas Tungsten Arc Welding followed by Shielded Metal Arc Welding of Chromium-Molybdenum Steel (M-5A/P-5A), ER90S-B3 and E9018-B3, 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) Final Action Date: 12/2/2021

*New Standard*

ANSI/AWS B2.1-5A-225-2021, Standard Welding Procedure Specification (SWPS) for Gas Tungsten Arc Welding (Consumable Insert Root) of Chromium-Molybdenum Steel (M-5A/P-5A), IN521 and ER90S-B3, 1/8 inch [3 mm] through 1/2 inch [13 mm] Thick, As-Welded Condition; 1/8 inch [3 mm] through 3/4 inch [19 mm] Thick, PWHT Condition, Primarily Pipe Applications (new standard) Final Action Date: 12/2/2021

*New Standard*

ANSI/AWS B2.1-5A-226-2021, Standard Welding Procedure Specification (SWPS) for Gas Tungsten Arc Welding (Consumable Insert Root) followed by Shielded Metal Arc Welding of Chromium-Molybdenum Steel (M-5A/P-5A), IN521, ER90S-B3, and E9018-B3, 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) Final Action Date: 12/2/2021

**CSA (CSA America Standards Inc.)**

8501 East Pleasant Valley Road, Cleveland, OH 44131-5575 | [ansi.contact@csagroup.org](mailto:ansi.contact@csagroup.org), [www.csagroup.org](http://www.csagroup.org)

*Reaffirmation*

ANSI Z83.8-2015 (R2021), Gas unit heaters, gas packaged heaters, gas utility heaters, and gas-fired duct furnaces (reaffirmation of ANSI Z83.8-2015) Final Action Date: 11/30/2021

**FM (FM Approvals)**

1151 Boston-Providence Turnpike, Norwood, MA 02062 | [josephine.mahnken@fmapprovals.com](mailto:josephine.mahnken@fmapprovals.com), [www.fmglobal.com](http://www.fmglobal.com)

*Reaffirmation*

ANSI/FM 4910-2013 (R2021), Cleanroom Materials Flammability Test Protocol (reaffirmation of ANSI/FM 4910-2013) Final Action Date: 11/29/2021

**HI (Hydraulic Institute)**

300 Interpace Parkway, Building A, 3rd Floor, Parsippany, NJ 07054 | [asisto@pumps.org](mailto:asisto@pumps.org), [www.pumps.org](http://www.pumps.org)

*Revision*

ANSI/HI 7.8-2021, Controlled Volume Metering Pump Piping Guideline (revision of ANSI/HI 7.8-2016) Final Action Date: 12/2/2021

**IEEE (ASC N42) (Institute of Electrical and Electronics Engineers)**

445 Hoes Lane, Piscataway, NJ 08854 | [J.Santulli@ieee.org](mailto:J.Santulli@ieee.org), [www.ieee.org](http://www.ieee.org)

*Revision*

ANSI C63.27-2021, Standard for Evaluation of Wireless Coexistence (revision of ANSI C63.27-2017) Final Action Date: 11/29/2021

**NCPDP (National Council for Prescription Drug Programs)**

9240 East Raintree Drive, Scottsdale, AZ 85260 | [mweiker@ncdpd.org](mailto:mweiker@ncdpd.org), [www.ncdpd.org](http://www.ncdpd.org)

*Revision*

ANSI/NCPDP MR V07.04-2021, NCPDP Manufacturer Rebate Utilization, Plan, Formulary, Market Basket, and Reconciliation Flat File Standard (revision and redesignation of ANSI/NCPDP MR v07.03-2019) Final Action Date: 12/2/2021

*Revision*

ANSI/NCPDP Post Adj V53-2021, NCPDP Post Adjudication Standard V53 (revision and redesignation of ANSI/NCPDP Post Adj v52-2021) Final Action Date: 12/2/2021

*Revision*

ANSI/NCPDP Product Identifier v1.6-2021, NCPDP Product Identifier Standard v1.6 (revision and redesignation of ANSI/NCPDP Product Identifier v1.5-2019) Final Action Date: 12/2/2021

*Revision*

ANSI/NCPDP SC Standard v2022011-2021, NCPDP SCRIPT Standard v2022011 (revision and redesignation of ANSI/NCPDP SC Standard v2021071-2021,) Final Action Date: 12/2/2021

*Revision*

ANSI/NCPDP Specialized Standard v2022011-2021, NCPDP Specialized Standard v2022011 (revision and redesignation of ANSI/NCPDP Specialized Standard v2021071-2021) Final Action Date: 12/2/2021

*Revision*

ANSI/NCPDP TC VF8-2021, NCPDP Telecommunication Standard Version F8 (revision and redesignation of ANSI/NCPDP TC vF7-2021) Final Action Date: 12/2/2021

**NEMA (ASC C136) (National Electrical Manufacturers Association)**

1300 North 17th Street, Suite 900, Rosslyn, VA 22209 | [David.Richmond@nema.org](mailto:David.Richmond@nema.org), [www.nema.org](http://www.nema.org)

*Revision*

ANSI C136.41-2021, Standard for Roadway and Area Lighting Equipment - Dimming Control Between an External Locking-Type Photocontrol and Ballast or Driver (revision of ANSI C136.41-2013) Final Action Date: 12/3/2021



**NEMA (National Electrical Manufacturers Association)**

1300 North 17th Street, Rosslyn, VA 22209 | Khaled.Masri@nema.org, www.nema.org

*New Standard*

ANSI/NEMA IM 60000-2021, Industrial Laminating Thermosetting Products (new standard) Final Action Date: 11/29/2021

*New Standard*

ANSI/NEMA SM 31000-7-2021, Electrical Submeter - Current Sensor Accuracy (new standard) Final Action Date: 12/2/2021

**NSF (NSF International)**

789 N. Dixboro Road, Ann Arbor, MI 48105-9723 | jsnider@nsf.org, www.nsf.org

*Revision*

ANSI/NSF 14-2021 (i122r1), Plastics Piping System Components and Related Materials (revision of ANSI/NSF 14-2020) Final Action Date: 11/22/2021

*Revision*

ANSI/NSF 50-2021 (i170r1), Equipment and Chemicals for Swimming Pools, Spas, Hot Tubs, and Other Recreational Water Facilities (revision of ANSI/NSF/CAN 50-2020) Final Action Date: 11/29/2021

*Revision*

ANSI/NSF 505-2021 (i2r1), Conformity Assessment Requirements for Certification Bodies that Certify Products Pursuant to NSF/ANSI/CAN 50: Equipment and Chemicals for Swimming Pools, Spas, Hot Tubs, and Other Recreational Water (revision of ANSI/NSF 505-2021) Final Action Date: 12/2/2021

*Revision*

ANSI/NSF/CAN 50-2021 (i175r2), Equipment and Chemicals for Swimming Pools, Spas, Hot Tubs, and Other Recreational Water Facilities (revision of ANSI/NSF/CAN 50-2020) Final Action Date: 12/1/2021

*Revision*

ANSI/NSF/CAN 50-2021 (i176r1), Equipment and Chemicals for Swimming Pools, Spas, Hot Tubs, and Other Recreational Water Facilities (revision of ANSI/NSF/CAN 50-2020) Final Action Date: 11/30/2021

*Revision*

ANSI/NSF/CAN 50-2021 (i177r1), Equipment and Chemicals for Swimming Pools, Spas, Hot Tubs, and Other Recreational Water Facilities (revision of ANSI/NSF/CAN 50-2020) Final Action Date: 12/2/2021

**UL (Underwriters Laboratories)**

333 Pfingsten Road, Northbrook, IL 60062-2096 | alan.t.mcgrath@ul.org, https://ul.org/

*National Adoption*

ANSI/UL 60730-2-6-2021, Standard for Automatic electrical controls - Part 2-6: Particular requirements for automatic electrical pressure sensing controls including mechanical requirements (national adoption of IEC 60730-2-6 with modifications and revision of ANSI/UL 60730-2-6-2016) Final Action Date: 11/30/2021

*National Adoption*

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) Final Action Date: 11/30/2021

**UL (Underwriters Laboratories)**

12 Laboratory Drive, Research Triangle Park, NC 27709-3995 | Nicolette.A.Weeks@ul.org, <https://ul.org/>

*Reaffirmation*

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)) Final Action Date: 12/1/2021

*Reaffirmation*

ANSI/UL 4730-2017 (R2021), Standard for Nameplate, Datasheet, and Sampling Requirements of Photovoltaic Modules (reaffirmation of ANSI/UL 4730-2017) Final Action Date: 12/3/2021

*Revision*

ANSI/UL 2127-2021, Standard for Inert Gas Clean Agent Extinguishing System Units (September 10, 2021) (revision of BSR/UL 2127-202x) Final Action Date: 11/30/2021

*Revision*

ANSI/UL 60335-2-68-2021, Standard for Household and Similar Electrical Appliances - Safety - Part 2-68: Particular Requirements for Spray Extraction Machines, for Commercial Use (July 30, 2021) (revision of ANSI/UL 60335-2-68-2020) Final Action Date: 12/3/2021

# Call for Members (ANS Consensus Bodies)

Directly and materially interested parties who wish to participate as a member of an ANS consensus body for the standards listed are requested to contact the sponsoring developer directly in a timely manner.

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## **AWS (American Welding Society)**

8669 NW 36th Street, Suite 130, Miami, FL 33166-6672 | [jrosario@aws.org](mailto:jrosario@aws.org), [www.aws.org](http://www.aws.org)  
Jennifer Rosario; [jrosario@aws.org](mailto:jrosario@aws.org)

BSR/AWS B2.1-1-234-202x-AMD1, Standard Welding Procedure Specification (SWPS) for 75% Argon Plus 25% Carbon Dioxide Shielded Flux Cored Arc Welding of Carbon Steel (M-1/P-1, Group 1 or 2), 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, E7XT-X, in the As-Welded or PWHT Condition, Primarily Pipe Applications (revision and redesignation of ANSI/AWS B2.1-1-234:2020)

BSR/AWS B2.1-1-235-202x-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)

## **ECIA (Electronic Components Industry Association)**

13873 Park Center Road, Suite 315, Herndon, VA 20171 | [ldonohoe@ecianow.org](mailto:ldonohoe@ecianow.org), [www.ecianow.org](http://www.ecianow.org)  
Laura Donohoe; [ldonohoe@ecianow.org](mailto:ldonohoe@ecianow.org)

BSR/EIA 364-123-202x, High Temperature Exposure With Contact Loading Test Procedure for Electrical Connectors (new standard)

## **IKECA (International Kitchen Exhaust Cleaning Association)**

2331 Rock Spring Road, Forest Hill, MD 21050 | [christine@ikeca.org](mailto:christine@ikeca.org), [www.ikeca.org](http://www.ikeca.org)  
Christine Wilks; [christine@ikeca.org](mailto:christine@ikeca.org)

BSR/IKECA M-10-202x, Standard for the Methodology for Maintenance of Commercial Kitchen Exhaust Systems (revision of ANSI/IKECA M-10-2019)

## **ITI (INCITS) (InterNational Committee for Information Technology Standards)**

700 K Street NW, Suite 600, Washington, DC 20001 | [comments@standards.incits.org](mailto:comments@standards.incits.org), [www.incits.org](http://www.incits.org)  
Deborah Spittle; [comments@standards.incits.org](mailto:comments@standards.incits.org)

INCITS/ISO/IEC 9797-3:2011/AM1:2020 [202x], Information technology - Security techniques - Message Authentication Codes (MACs) - Part 3: Mechanisms using a universal hash-function - Amendment 1 (identical national adoption of ISO/IEC 9797-3:2011/AM1:2020)

INCITS/ISO/IEC 9798-4:1999/COR1:2009 [202x], Information technology - Security techniques - Entity authentication - Part 4: Mechanisms using a cryptographic check function - Technical Corrigendum 1 (identical national adoption of ISO/IEC 9798-4:1999/COR1:2009)

INCITS/ISO/IEC 9798-4:1999/COR2:2012 [202x], Information technology - Security techniques - Entity authentication - Part 4: Mechanisms using a cryptographic check function - Technical Corrigendum 2 (identical national adoption of ISO/IEC 9798-4:1999/COR2:2012)

INCITS/ISO/IEC 10118-1:2016/AM1:2021 [202x], Information technology - Security techniques - Hash-functions - Part 1: General - Amendment 1: Padding methods for sponge functions (identical national adoption of ISO/IEC 10118-1:2016/AM1:2021)

**ITI (INCITS) (InterNational Committee for Information Technology Standards)**

700 K Street NW, Suite 600, Washington, DC 20001 | [comments@standards.incits.org](mailto:comments@standards.incits.org), [www.incits.org](http://www.incits.org)

INCITS/ISO/IEC 10118-2:2010/COR1:2011 [202x], Information technology - Security techniques - Hash-functions - Part 2: Hash-functions using an n-bit block cipher - Technical Corrigendum 1 (identical national adoption of ISO/IEC 10118-2:2010/COR1:2011)

INCITS/ISO/IEC 11770-3:2015/AM1:2017 [202x], Information technology - Security techniques - Key management - Part 3: Mechanisms using asymmetric techniques - Amendment 1: Blinded Diffie-Hellman key agreement (identical national adoption of ISO/IEC 11770-3:2015/AM1:2017)

INCITS/ISO/IEC 13888-2:2010/COR1:2012 [202x], Information technology - Security techniques - Non-repudiation - Part 2: Mechanisms using symmetric techniques - Technical Corrigendum 1 (identical national adoption of ISO/IEC 13888-2:2010/COR1:2012)

INCITS/ISO/IEC 18033-2:2006/AM1:2017 [202x], Information technology - Security techniques - Encryption algorithms - Part 2: Asymmetric ciphers - Amendment 1: FACE (identical national adoption of ISO/IEC 18033-2:2006/AM1:2017)

INCITS/ISO/IEC 18033-3:2010/AM1:2021 [202x], Information Technology - Security Techniques - Encryption Algorithms - Part 3: Block Ciphers - Amendment 1: SM4 (identical national adoption of ISO/IEC 18033-3:2010/AM1:2021)

INCITS/ISO/IEC 20009-2:2013 [202x], Information technology - Security techniques - Anonymous entity authentication - Part 2: Mechanisms based on signatures using a group public key (identical national adoption of ISO/IEC 20009-2:2013)

INCITS/ISO/IEC 20009-4:2017 [202x], Information technology - Security techniques - Anonymous entity authentication - Part 4: Mechanisms based on weak secrets (identical national adoption of ISO/IEC 20009-4:2017)

INCITS/ISO/IEC 20085-1:2019 [202x], IT Security techniques - Test tool requirements and test tool calibration methods for use in testing non-invasive attack mitigation techniques in cryptographic modules - Part 1: Test tools and techniques (identical national adoption of ISO/IEC 20085-1:2019)

INCITS/ISO/IEC 27034-1:2011 [202x], Information technology - Security techniques - Application security - Part 1: Overview and concepts (identical national adoption of ISO/IEC 27034-1:2011)

INCITS/ISO/IEC 27034-1:2011/COR1:2014 [202x], Information technology - Security techniques - Application security - Part 1: Overview and concepts - Technical Corrigendum 1 (identical national adoption of ISO/IEC 27034-1:2011/COR1:2014)

INCITS/ISO/IEC 29192-1:2012 [202x], Information technology - Security techniques - Lightweight cryptography - Part 1: General (identical national adoption of ISO/IEC 29192-1:2012)

INCITS/ISO/IEC 18367:2016 [202x], Information technology - Security techniques - Cryptographic algorithms and security mechanisms conformance testing (identical national adoption of ISO/IEC 18367:2016)

INCITS/ISO/IEC 20543:2019 [202x], Information technology - Security techniques - Test and analysis methods for random bit generators within ISO/IEC 19790 and ISO/IEC 15408 (identical national adoption of ISO/IEC 20543:2019)

**ITI (INCITS) (InterNational Committee for Information Technology Standards)**

700 K Street NW, Suite 600, Washington, DC 20001 | [comments@standards.incits.org](mailto:comments@standards.incits.org), [www.incits.org](http://www.incits.org)

INCITS/ISO/IEC 21827:2008 [202x], Information technology - Security techniques - Systems Security Engineering - Capability Maturity Model® (SSE-CMM®) (identical national adoption of ISO/IEC 21827:2008)

INCITS/ISO/IEC 21878:2018 [202x], Information technology - Security techniques - Security guidelines for design and implementation of virtualized servers (identical national adoption of ISO/IEC 21878:2018)

INCITS/ISO/IEC 27021:2017 [202x], Information technology - Security techniques - Competence requirements for information security management systems professionals (identical national adoption of ISO/IEC 27021:2017)

INCITS/ISO/IEC 27031:2011 [202x], Information technology - Security techniques - Guidelines for information and communication technology readiness for business continuity (identical national adoption of ISO/IEC 27031:2011)

INCITS/ISO/IEC 29150:2011/COR1:2014 [202x], Information technology - Security techniques - Signcryption - Technical Corrigendum 1 (identical national adoption of ISO/IEC 29150:2011/COR1:2014)

**NENA (National Emergency Number Association)**

1700 Diagonal Road, Suite 500, Alexandria, VA 22314 | [darnold@nena.org](mailto:darnold@nena.org), [www.nena.org](http://www.nena.org)  
Delaine Arnold; [darnold@nena.org](mailto:darnold@nena.org)

BSR/NENA STA-045.1-202x, NENA Standard for 911-988 Interagency Response to Mental Health Calls (new standard)

**NSF (NSF International)**

789 N. Dixboro Road, Ann Arbor, MI 48105-9723 | [aburr@nsf.org](mailto:aburr@nsf.org), [www.nsf.org](http://www.nsf.org)  
Andrea Burr; [aburr@nsf.org](mailto:aburr@nsf.org)

BSR/NSI 373-202x (i6r1), Sustainability Assessment - Natural Dimension Stone (revision and redesignation of ANSI/NSC 373-2019)

**TAPPI (Technical Association of the Pulp and Paper Industry)**

15 Technology Parkway, Suite 115, Peachtree Corners, GA 30092 | [standards@tappi.org](mailto:standards@tappi.org), [www.tappi.org](http://www.tappi.org)  
Natasha Bush-Postell; [standards@tappi.org](mailto:standards@tappi.org)

BSR/TAPPI T 519 om-202x, Diffuse opacity of paper (d/0 paper backing) (new standard)

BSR/TAPPI T 1214 sp-202x, Interrelation of reflectance, R0; reflectivity, R; TAPPI opacity, C0.89; scattering, s; and absorption, k (new standard)

BSR/TAPPI T 1219 sp-202x, Storage of paper samples for optical measurements and color matching (new standard)

**TIA (Telecommunications Industry Association)**

1320 North Courthouse Road, Suite 200, Arlington, VA 22201-2598 | [standards-process@tiaonline.org](mailto:standards-process@tiaonline.org), [www.tiaonline.org](http://www.tiaonline.org)  
Teesha Jenkins; [standards-process@tiaonline.org](mailto:standards-process@tiaonline.org)

BSR/TIA 5071-202x, Requirements for Field Test Instruments and Measurements for Balanced Single Twisted-Pair Cabling (new standard)

# Call for Members (ANS Consensus Bodies)

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## ANSI Accredited Standards Developer

### INCITS Executive Board – ANSI Accredited SDO and US TAG to ISO/IEC JTC 1, Information Technology

The InterNational Committee for Information Technology Standards (INCITS), an ANSI accredited SDO, is the forum of choice for information technology developers, producers and users for the creation and maintenance of formal de jure IT standards. INCITS' mission is to promote the effective use of Information and Communication Technology through standardization in a way that balances the interests of all stakeholders and increases the global competitiveness of the member organizations.

The INCITS Executive Board serves as the consensus body with oversight of its 40+ Technical Committees. Additionally, the INCITS Executive Board has the international leadership role as the US Technical Advisory Group (TAG) to ISO/IEC JTC 1, Information Technology.

Membership in the INCITS Executive Board is open to all directly and materially affected parties in accordance with INCITS membership rules. To find out more about participating on the INCITS Executive Board, contact Jennifer Garner at [jgarner@itic.org](mailto:jgarner@itic.org) or visit <http://www.incits.org/participation/membership-info> for more information.

Membership in all interest categories is always welcome; however, the INCITS Executive Board seeks to broaden its membership base in the following categories:

- Service Providers
- Users
- Standards Development Organizations and Consortia
- Academic Institutions

## ANSI Accredited Standards Developer

### SCTE (Society of Cable Telecommunications Engineers)

SCTE, an ANSI-accredited SDO, is the primary organization for the creation and maintenance of standards for the cable telecommunications industry. SCTE's standards mission is to develop standards that meet the needs of cable system operators, content providers, network and customer premises equipment manufacturers, and all others who have an interest in the industry through a fair, balanced and transparent process.

SCTE is currently seeking to broaden the membership base of its ANS consensus bodies and is interested in new members in all membership categories to participate in new work in fiber-optic networks, advanced advertising, 3D television, and other important topics. Of particular interest is membership from the content (program and advertising) provider and user communities. Membership in the SCTE Standards Program is open to all directly and materially affected parties as defined in SCTE's membership rules and operating procedures. More information is available at [www.scte.org](http://www.scte.org) or by e-mail from [standards@scte.org](mailto:standards@scte.org).

Membership in the SCTE Standards Program is open to all directly and materially affected parties as defined in SCTE's membership rules and operating procedures. More information is available at [www.scte.org](http://www.scte.org) or by e-mail from [standards@scte.org](mailto:standards@scte.org).

# Accreditation Announcements (Standards Developers)

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## Approval of Reaccreditation – ASD

### AARST - American Association of Radon Scientists and Technologists

Effective December 3, 2021

The reaccreditation of **AARST - American Association of Radon Scientists and Technologists** has been approved at the direction of ANSI's Executive Standards Council, under its recently revised operating procedures for documenting consensus on AARST-sponsored American National Standards, effective **December 3, 2021**. For additional information, please contact: Gary Hodgden, American Association of Radon Scientist and Technologists, Inc. (AARST) | 527 N. Justice Street, Hendersonville, NC 28739 | 202.830.1110, StandardsAssist@gmail.com

## Approval of Reaccreditation – ASD

### PMI (Organization) - Project Management Institute

Effective December 8, 2021

The reaccreditation of **PMI (Organization) - Project Management Institute** has been approved at the direction of ANSI's Executive Standards Council, under its recently revised operating procedures for documenting consensus on PMI (Organization)-sponsored American National Standards, effective **December 8, 2021**. For additional information, please contact: Danielle Ritter, Project Management Institute (PMI (Organization)) | 14 Campus Boulevard, Newtown Square, PA 19073-3299 | (610) 356-4600 5040, Danielle.Ritter@pmi.org

## American National Standards (ANS) Process

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Please visit ANSI's website ([www.ansi.org](http://www.ansi.org)) for resources that will help you to understand, administer and participate in the American National Standards (ANS) process. Documents posted at these links are updated periodically as new documents and guidance are developed, whenever ANS-related procedures are revised, and routinely with respect to lists of proposed and approved ANS. The main ANS-related link is [www.ansi.org/asd](http://www.ansi.org/asd) and here are some direct links as well as highlights of information that is available:

### Where to find Procedures, Guidance, Interpretations and More...

Please visit ANSI's website ([www.ansi.org](http://www.ansi.org))

- ANSI Essential Requirements: Due process requirements for American National Standards (always current edition): [www.ansi.org/essentialrequirements](http://www.ansi.org/essentialrequirements)
- ANSI Standards Action (weekly public review announcements of proposed ANS and standards developer accreditation applications, listing of recently approved ANS, and proposed revisions to ANS-related procedures): [www.ansi.org/standardsaction](http://www.ansi.org/standardsaction)
- Accreditation information – for potential developers of American National Standards (ANS): [www.ansi.org/sdoaccreditation](http://www.ansi.org/sdoaccreditation)
- ANS Procedures, ExSC Interpretations and Guidance (including a slide deck on how to participate in the ANS process and the BSR-9 form): [www.ansi.org/asd](http://www.ansi.org/asd)
- Lists of ANSI-Accredited Standards Developers (ASDs), Proposed ANS and Approved ANS: [www.ansi.org/asd](http://www.ansi.org/asd)
- American National Standards Key Steps: [www.ansi.org/anskeysteps](http://www.ansi.org/anskeysteps)
- American National Standards Value: [www.ansi.org/ansvalue](http://www.ansi.org/ansvalue)
- ANS Web Forms for ANSI-Accredited Standards Developers - PINS, BSR8|108, BSR11, Technical Report: <https://www.ansi.org/portal/psawebforms/>
- Information about standards Incorporated by Reference (IBR): <https://ibr.ansi.org/>
- ANSI - Education and Training: [www.standardslearn.org](http://www.standardslearn.org)



# American National Standards Under Continuous Maintenance

The ANSI Essential Requirements: Due Process Requirements for American National Standards provides two options for the maintenance of American National Standards (ANS): periodic maintenance (see clause 4.7.1) and continuous maintenance (see clause 4.7.2). Continuous maintenance is defined as follows:

The standard shall be maintained by an accredited standards developer. A documented program for periodic publication of revisions shall be established by the standards developer. Processing of these revisions shall be in accordance with these procedures. The published standard shall include a clear statement of the intent to consider requests for change and information on the submittal of such requests. Procedures shall be established for timely, documented consensus action on each request for change and no portion of the standard shall be excluded from the revision process. In the event that no revisions are issued for a period of four years, action to reaffirm or withdraw the standard shall be taken in accordance with the procedures contained in the ANSI Essential Requirements.

The Executive Standards Council (ExSC) has determined that for standards maintained under the Continuous Maintenance option, separate PINS announcements are not required. The following ANSI Accredited Standards Developers have formally registered standards under the Continuous Maintenance option.

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- AAMI (Association for the Advancement of Medical Instrumentation)
  - AARST (American Association of Radon Scientists and Technologists)
  - AGA (American Gas Association)
  - AGSC (Auto Glass Safety Council)
  - ASC X9 (Accredited Standards Committee X9, Incorporated)
  - ASHRAE (American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.)
  - ASME (American Society of Mechanical Engineers)
  - ASTM (ASTM International)
  - GBI (Green Building Initiative)
  - HL7 (Health Level Seven)
  - Home Innovation (Home Innovation Research Labs)
  - IES (Illuminating Engineering Society)
  - ITI (InterNational Committee for Information Technology Standards)
  - MHI (Material Handling Industry)
  - NBBPVI (National Board of Boiler and Pressure Vessel Inspectors)
  - NCPDP (National Council for Prescription Drug Programs)
  - NEMA (National Electrical Manufacturers Association)
  - NISO (National Information Standards Organization)
  - NSF (NSF International)
  - PRCA (Professional Ropes Course Association)
  - RESNET (Residential Energy Services Network, Inc.)
  - SAE (SAE International)
  - TCNA (Tile Council of North America)
  - TIA (Telecommunications Industry Association)
  - UL (Underwriters Laboratories)

To obtain additional information with regard to these standards, including contact information at the ANSI Accredited Standards Developer, please visit ANSI Online at [www.ansi.org/asd](http://www.ansi.org/asd), select “American National Standards Maintained Under Continuous Maintenance.” Questions? [psa@ansi.org](mailto:psa@ansi.org).

# ANSI-Accredited Standards Developers (ASD) Contacts

The addresses listed in this section are to be used in conjunction with standards listed in PINS, Call for Comment, Call for Members and Final Actions. This section is a list of developers who have submitted standards for this issue of *Standards Action* – it is not intended to be a list of all ANSI-Accredited Standards Developers. Please send all address corrections to the PSA Department at [psa@ansi.org](mailto:psa@ansi.org).

## AMCA

Air Movement and Control Association  
30 West University Drive  
Arlington Heights, IL 60004  
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Joseph Brooks  
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## ANS

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La Grange Park, IL 60526  
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Kathryn Murdoch  
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## ASABE

American Society of Agricultural and  
Biological Engineers  
2950 Niles Road  
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Jean Walsh  
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## ASC X9

Accredited Standards Committee X9,  
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275 West Street, Suite 107  
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Ambria Frazier  
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## ASME

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## ASSP (Safety)

American Society of Safety Professionals  
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## BEPP

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## CSA

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## ECIA

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## FM

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## HI

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## IEEE (ASC C63)

Institute of Electrical and Electronics  
Engineers  
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Piscataway, NJ 08854  
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Jennifer Santulli  
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## IKECA

International Kitchen Exhaust Cleaning  
Association  
2331 Rock Spring Road  
Forest Hill, MD 21050  
[www.ikeca.org](http://www.ikeca.org)  
Christine Wilks  
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## ITI (INCITS)

InterNational Committee for Information  
Technology Standards  
700 K Street NW, Suite 600  
Washington, DC 20001  
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Deborah Spittle  
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## ANSI-Accredited Standards Developers Contact Information

**NCPDP**

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**NEMA**

National Electrical Manufacturers  
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**NEMA**

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**NENA**

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Delaine Arnold  
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**NSF**

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**TAPPI**

Technical Association of the Pulp and  
Paper Industry

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**TIA**

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# ISO Draft International Standards

This section lists proposed standards that the International Organization for Standardization (ISO) is considering for approval. The proposals have received substantial support within the technical committees or subcommittees that developed them and are now being circulated to ISO members for comment and vote. Standards Action readers interested in reviewing and commenting on these documents should order copies from ANSI.

## COMMENTS

Comments regarding ISO documents should be sent to ANSI's ISO Team (isot@ansi.org); comments on ISO documents must be submitted electronically in the approved ISO template and as a Word document as other formats will not be accepted. The final date for offering comments is listed after each draft.

## ORDERING INSTRUCTIONS

ISO Drafts can be made available by contacting ANSI's Customer Service department. Please e-mail your request for an ISO Draft to Customer Service at sales@ansi.org. When making your request, please provide the date of the Standards Action issue in which the draft document you are requesting appears.

### Additive manufacturing (TC 261)

ISO/ASTM DIS 52927, Additive manufacturing - General principles - Main characteristics and corresponding test methods - 2/18/2022, \$82.00

### Air quality (TC 146)

ISO/FDIS 23320, Workplace air - Gases and vapours - Requirements for evaluation of measuring procedures using diffusive samplers - 2/18/2022, \$107.00

ISO/FDIS 23435, Air quality - Test methods for snow depth sensors - 2/18/2022, \$67.00

ISO/DIS 16000-41, Indoor air - Part 41: Assessment and classification - 2/18/2022, \$88.00

### Aircraft and space vehicles (TC 20)

ISO/DIS 24352, Technical requirements for small unmanned aircraft electric energy systems - 2/18/2022, \$88.00

### Anaesthetic and respiratory equipment (TC 121)

ISO/DIS 80601-2-84, Medical electrical equipment - Part 2-84: Particular requirements for the basic safety and essential performance of ventilators for the emergency medical services environment - 2/18/2022, \$175.00

### Building construction (TC 59)

ISO/FDIS 22057, Sustainability in buildings and civil engineering works - Data templates for the use of environmental product declarations (EPDs) for construction products in building information modelling (BIM) - 2/18/2022, \$125.00

### Ceramic tile (TC 189)

ISO/FDIS 10545-18, Ceramic tiles - Part 18: Determination of light reflectance value (LRV) - 2/18/2022, \$40.00

### Cycles (TC 149)

ISO/DIS 11243, Cycles - Luggage carriers for bicycles - Requirements and test methods - 2/18/2022, \$98.00

### Dentistry (TC 106)

ISO/DIS 5139, Dentistry - Polymer-based composite machinable blanks - 2/18/2022, \$71.00

ISO/DIS 5467-2, Dentistry - Mobile dental units and dental patient chairs - Part 2: Air, water, suction and wastewater systems - 2/18/2022, \$82.00

### Environmental management (TC 207)

ISO/DIS 14083, Greenhouse gases - Quantification and reporting of greenhouse gas emissions arising from transport chain operations - 2/18/2022, \$175.00

### Essential oils (TC 54)

ISO/FDIS 3520, Essential oil of bergamot [Citrus bergamia Risso & Poit], Calabrian type - 2/18/2022, \$46.00

### Fine Bubble Technology (TC 281)

ISO/DIS 24218-1, Fine bubble technology - Characterization of fine bubbles - Part 1: Evaluation of size and concentration indices by Laser Diffraction method - 2/18/2022, \$58.00

### Freight containers (TC 104)

ISO/FDIS 6346, Freight containers - Coding, identification and marking - 2/18/2022, \$88.00

**Geographic information/Geomatics (TC 211)**

ISO/DIS 19115-3, Geographic information - Metadata - Part 3: XML schema implementation for fundamental concepts - 2/18/2022, \$125.00

**Geotechnics (TC 182)**

ISO/DIS 24057, Array measurement of microtremors to estimate shear wave velocity profile - 2/18/2022, \$107.00

**Human resource management (TC 260)**

ISO/DIS 30400, Human resource management - Vocabulary - 2/18/2022, \$102.00

**Hydrometric determinations (TC 113)**

ISO/FDIS 4373, Hydrometry - Water level measuring devices - 2/18/2022, \$93.00

**Industrial automation systems and integration (TC 184)**

ISO/DIS 29002, Industrial automation systems and integration - Exchange of characteristic data - 2/18/2022, \$175.00

**Information and documentation (TC 46)**

ISO/FDIS 15706-1, Information and documentation - International Standard Audiovisual Number (ISAN) - Part 1: Audiovisual work identifier - 2/18/2022, \$67.00

ISO/FDIS 15706-2, Information and documentation - International Standard Audiovisual Number (ISAN) - Part 2: Version identifier - 2/18/2022, \$77.00

**Materials, equipment and offshore structures for petroleum and natural gas industries (TC 67)**

ISO/FDIS 15590-3, Petroleum and natural gas industries - Factory bends, fittings and flanges for pipeline transportation systems - Part 3: Flanges - 2/18/2022, \$71.00

**Metallic and other inorganic coatings (TC 107)**

ISO/DIS 28765, Vitreous and porcelain enamels - Design of bolted steel tanks for the storage or treatment of water or municipal or industrial effluents and sludges - 2/18/2022, \$88.00

**Microbeam analysis (TC 202)**

ISO/FDIS 23749, Microbeam analysis - Electron backscatter diffraction - Quantitative determination of austenite in steel - 2/18/2022, \$67.00

**Nuclear energy (TC 85)**

ISO/DIS 6980-1, Nuclear energy - Reference beta-particle radiation - Part 1: Methods of production - 2/18/2022, \$82.00

ISO/DIS 6980-2, Nuclear energy - Reference beta-particle radiation - Part 2: Calibration fundamentals related to basic quantities characterizing the radiation field - 2/18/2022, \$112.00

ISO/ASTM DIS 51940, Guidance for dosimetry for sterile insects release programs - 2/18/2022, \$58.00

**Optics and optical instruments (TC 172)**

ISO/DIS 12870, Ophthalmic optics - Spectacle frames - Requirements and test methods - 2/18/2022, \$112.00

**Other**

ISO/DIS 7906, Leather - Tests for colour fastness - General principles of testing - 2/18/2022, \$58.00

ISO/DIS 11644, Leather - Test for adhesion of finish - 2/18/2022, \$58.00

ISO/CIE DIS 23539, Photometry - The CIE system of physical photometry - 2/18/2022, \$119.00

**Paints and varnishes (TC 35)**

ISO/DIS 4628-5, Paints and varnishes - Evaluation of degradation of coatings - Designation of quantity and size of defects, and of intensity of uniform changes in appearance - Part 5: Assessment of degree of flaking - 2/18/2022, \$40.00

ISO/DIS 7784-3, Paints and varnishes - Determination of resistance to abrasion - Part 3: Method with abrasive-paper covered wheel and linearly reciprocating test specimen - 2/18/2022, \$46.00

**Plastics (TC 61)**

ISO/DIS 5684, Adhesives - Floor covering adhesives and products for flooring installation - Assessment and classification of low VOC products - 2/18/2022, \$46.00

ISO/DIS 23930, Fibre-reinforced plastic composites - Full section compression test for pultruded profiles - 2/18/2022, \$53.00

ISO/DIS 4907-1, Plastics - Ion exchange resin - Part 1: Determination of exchange capacity of acrylic anion exchange resins - 2/18/2022, \$62.00

ISO/DIS 4907-2, Plastics - Ion exchange resin - Part 2:  
Determination of water content of anion exchange resins  
in hydroxide form - 2/18/2022, \$46.00

ISO/DIS 4907-3, Plastics - Ion exchange resin - Part 3:  
Determination of exchange capacity of anion exchange  
resins in hydroxide form - 2/18/2022, \$53.00

ISO/DIS 11357-1, Plastics - Differential scanning calorimetry  
(DSC) - Part 1: General principles - 2/18/2022, \$102.00

ISO/FDIS 11357-7, Plastics - Differential scanning calorimetry  
(DSC) - Part 7: Determination of crystallization kinetics -  
2/18/2022, \$58.00

ISO/DIS 20975-1, Fibre-reinforced plastic composites -  
Determination of laminate of through-thickness properties  
- Part 1: Direct tension and compression tests - 2/18/2022,  
\$77.00

#### **Quantities, units, symbols, conversion factors (TC 12)**

ISO/DIS 80000-1, Quantities and units - Part 1: General -  
2/18/2022, \$77.00

#### **Railway applications (TC 269)**

ISO/DIS 24675, Railway Applications - Running time  
calculation for timetabling - Requirements - 2/18/2022,  
\$77.00

ISO/DIS 19659-3, Railway applications - Heating, ventilation  
and air conditioning systems for rolling stock - Part 3:  
Energy efficiency - 2/18/2022, \$82.00

#### **Road vehicles (TC 22)**

ISO/DIS 34501, Road vehicles - Terms and definitions of test  
scenarios for automated driving systems - 2/18/2022,  
\$58.00

#### **Rolling bearings (TC 4)**

ISO/DIS 8443, Rolling bearings - Radial ball bearings with  
flanged outer ring - Flange dimensions - 2/18/2022, \$40.00

#### **Rubber and rubber products (TC 45)**

ISO/FDIS 4671, Rubber and plastics hoses and hose  
assemblies - Methods of measurement of the dimensions  
of hoses and the lengths of hose assemblies - 2/18/2022,  
\$58.00

#### **Security (TC 292)**

ISO/FDIS 28000, Security and resilience - Security  
management systems - Requirements - 2/18/2022, \$77.00

#### **Ships and marine technology (TC 8)**

ISO/FDIS 23575, Ships and marine technology - Marine  
securing devices for ro-ro cargoes - 2/18/2022, \$93.00

#### **Small craft (TC 188)**

ISO 12216:2020/DAmD 1, Small craft - Windows, portlights,  
hatches, deadlights and doors - Strength and  
watertightness requirements - Amendment 1 - 2/18/2022,  
\$33.00

ISO 13297:2020/DAmD 1, Small craft - Electrical systems -  
Alternating and direct current installations - Amendment 1  
- 2/18/2022, \$29.00

ISO 15083:2020/DAmD 1, Small craft - Bilge-pumping systems  
- Amendment 1 - 2/18/2022, \$33.00

#### **Solid mineral fuels (TC 27)**

ISO/FDIS 18283, Coal and coke - Manual sampling -  
2/18/2022, \$125.00

#### **Sports and recreational equipment (TC 83)**

ISO/DIS 9462, Alpine ski-bindings - Requirements and test  
methods - 2/18/2022, \$107.00

#### **Textiles (TC 38)**

ISO/DIS 18264, Textile slings - Lifting slings for general  
purpose lifting operations made from fibre ropes - High  
modulus polyethylene (HMPE) - 2/18/2022, \$98.00

#### **Thermal insulation (TC 163)**

ISO/DIS 9288, Thermal insulation - Heat transfer by radiation  
- Physical quantities and definitions - 2/18/2022, \$77.00

#### **Traditional Chinese medicine (TC 249)**

ISO/DIS 4754, Traditional Chinese Medicine - Fermented  
Cordyceps Powder - 2/18/2022, \$67.00

#### **Transport information and control systems (TC 204)**

ISO/DIS 21734-1, Intelligent Transport Systems - Public  
transport - Performance testing for connectivity and safety  
functions of automated driving bus - Part 1: General  
framework - 2/18/2022, \$98.00

#### **Water quality (TC 147)**

ISO/DIS 17294-2, Water quality - Application of inductively  
coupled plasma mass spectrometry (ICP-MS) - Part 2:  
Determination of selected elements including uranium  
isotopes - 2/18/2022, \$98.00

**ISO/IEC JTC 1, Information Technology**

ISO/IEC DIS 1989, Information technology - Programming languages, their environments and system software interfaces - Programming language COBOL - 2/18/2022, \$323.00

ISO/IEC DIS 4922-1, Information security - Secure multiparty computation - Part 1: General - 2/18/2022, \$53.00

ISO/IEC DIS 15444-8, Information technology - JPEG 2000 image coding system - Part 8: Secure JPEG 2000 - 2/18/2022, \$165.00

ISO/IEC FDIS 2382-37, Information technology - Vocabulary - Part 37: Biometrics - 2/18/2022, \$102.00

ISO/IEC FDIS 30134-8, Information technology - Data centres key performance indicators - Part 8: Carbon usage effectiveness (CUE) - 2/18/2022, \$71.00

ISO/IEC FDIS 30134-9, Information technology - Data centres key performance indicators - Part 9: Water usage effectiveness (WUE) - 2/18/2022, \$77.00

ISO/IEC DIS 23090-19, Information technology - Coded representation of immersive media - Part 19: Reference Software for V-PCC - 2/18/2022, \$33.00



# Newly Published ISO & IEC Standards

Listed here are new and revised standards recently approved and promulgated by ISO - the International Organization for Standardization – and IEC – the International Electrotechnical Commission. Most are available at the ANSI Electronic Standards Store (ESS) at [www.ansi.org](http://www.ansi.org). All paper copies are available from Standards resellers (<http://webstore.ansi.org/faq.aspx#resellers>).

## ISO Standards

### Acoustics (TC 43)

[ISO 10844:2021](#), Acoustics - Specification of test tracks for measuring sound emitted by road vehicles and their tyres, \$149.00

### Aircraft and space vehicles (TC 20)

[ISO 23569:2021](#), Space systems - Spacecraft system level radio frequency (RF) performance test in compact range, \$200.00

### Biogas (TC 255)

[ISO 24252:2021](#), Biogas systems - Non-household and non-gasification, \$200.00

### Common names for pesticides and other agrochemicals (TC 81)

[ISO 1750:1981/Amd 7:2021](#), Pesticides and other agrochemicals - Common names - Amendment 7, \$149.00

### Cranes (TC 96)

[ISO 12210:2021](#), Cranes - Anchoring devices for in-service and out-of-service conditions, \$48.00

### Furniture (TC 136)

[ISO 3055:2021](#), Kitchen equipment - Coordinating sizes, \$73.00

### Graphical symbols (TC 145)

[ISO 7010:2019/Amd 4:2021](#), Graphical symbols - Safety colours and safety signs - Registered safety signs - Amendment 4, \$20.00

### Jewellery (TC 174)

[ISO 11596:2021](#), Jewellery and precious metals - Sampling of precious metals and precious metal alloys, \$111.00

### Nuclear energy (TC 85)

[ISO 21909-1:2021](#), Passive neutron dosimetry systems - Part 1: Performance and test requirements for personal dosimetry, \$200.00

### Optics and optical instruments (TC 172)

[ISO 17328:2021](#), Optics and photonics - Optical materials and components - Test method for refractive index of infrared optical materials, \$111.00

### Petroleum products and lubricants (TC 28)

[ISO 4259-4:2021](#), Petroleum and related products - Precision of measurement methods and results - Part 4: Use of statistical control charts to validate in-statistical-control status for the execution of a standard test method in a single laboratory, \$200.00

### Plain bearings (TC 123)

[ISO 4382-1:2021](#), Plain bearings - Copper alloys - Part 1: Cast copper alloys for solid and multilayer thick-walled plain bearings, \$73.00

[ISO 4382-2:2021](#), Plain bearings - Copper alloys - Part 2: Wrought copper alloys for solid plain bearings, \$48.00

### Road vehicles (TC 22)

[ISO 20078-1:2021](#), Road vehicles - Extended vehicle (ExVe) web services - Part 1: Content and definitions, \$149.00

[ISO 20078-2:2021](#), Road vehicles - Extended vehicle (ExVe) web services - Part 2: Access, \$225.00

[ISO 20078-3:2021](#), Road vehicles - Extended vehicle (ExVe) web services - Part 3: Security, \$149.00

[ISO 15500-17:2021](#), Road vehicles - Compressed natural gas (CNG) fuel system components - Part 17: Flexible fuel line, \$73.00

[ISO 21111-11:2021](#), Road vehicles - In-vehicle Ethernet - Part 11: Application layer to session layer conformance test plans, \$250.00

### Sharing economy (TC 324)

[ISO 42500:2021](#), Sharing economy - General principles, \$48.00

### Ships and marine technology (TC 8)

[ISO 20519:2021](#), Ships and marine technology - Specification for bunkering of liquefied natural gas fuelled vessels, \$200.00



**Small tools (TC 29)**

[ISO 6344-2:2021](#), Coated abrasives - Determination and designation of grain size distribution - Part 2: Macrogrit sizes P12 to P220, \$73.00

[ISO 6344-3:2021](#), Coated abrasives - Determination and designation of grain size distribution - Part 3: Microgrit sizes P240 to P5000, \$149.00

**Terminology (principles and coordination) (TC 37)**

[ISO 24623-2:2021](#), Language resource management - Corpus query lingua franca (CQLF) - Part 2: Ontology, \$111.00

**Tourism and related services (TC 228)**

[ISO 21620:2021](#), Tourism and related services - Heritage hotels - Equipment and service requirements, \$111.00

**Tyres, rims and valves (TC 31)**

[ISO 18885-3:2021](#), TPMS snap-in valves - Part 3: Performances, \$111.00

**ISO Technical Specifications****Biotechnology (TC 276)**

[ISO/TS 20388:2021](#), Biotechnology - Biobanking - Requirements for animal biological material, \$149.00

**Ergonomics (TC 159)**

[ISO/TS 9241-430:2021](#), Ergonomics of human-system interaction - Part 430: Recommendations for the design of non-touch gestural input for the reduction of biomechanical stress, \$73.00

**Iron ores (TC 102)**

[ISO/TS 9516-4:2021](#), Iron ores - Determination of various elements by X-ray fluorescence spectrometry - Part 4: Performance-based method using fusion preparation method, \$73.00

**Nanotechnologies (TC 229)**

[ISO/TS 23302:2021](#), Nanotechnologies - Requirements and recommendations for the identification of measurands that characterise nano-objects and materials that contain them, \$225.00

**Security (TC 292)**

[ISO/TS 22318:2021](#), Security and resilience - Business continuity management systems - Guidelines for supply chain continuity management, \$149.00

**Transport information and control systems (TC 204)**

[ISO/TS 21719-3:2021](#), Electronic fee collection - Personalization of on-board equipment (OBE) - Part 3: Using integrated circuit(s) cards, \$111.00

**ISO/IEC JTC 1, Information Technology**

[ISO/IEC 27021:2017/Amd 1:2021](#), Information technology - Security techniques - Competence requirements for information security management systems professionals - Amendment 1: Addition of ISO/IEC 27001:2013 clauses or subclauses to competence requirements, \$20.00

[ISO/IEC 27070:2021](#), Information technology - Security techniques - Requirements for establishing virtualized roots of trust, \$111.00

[ISO/IEC 21838-2:2021](#), Information technology - Top-level ontologies (TLO) - Part 2: Basic Formal Ontology (BFO), \$111.00

[ISO/IEC TS 23884:2021](#), Information technology - Computer graphics, image processing and environmental data representation - Material property and parameter representation for model-based haptic simulation of objects in virtual, mixed and augmented reality (VR/MAR), \$73.00

[ISO/IEC/IEEE 8802-3-2:2021](#), Telecommunications and exchange between information technology systems - Requirements for local and metropolitan area networks - Part 3-2: Standard for Ethernet YANG data model definitions, \$250.00

**IEC Standards****Lamps and related equipment (TC 34)**

[IEC 60598-2-22 Ed. 5.0 b:2021](#), Luminaires - Part 2-22: Particular requirements - Luminaires for emergency lighting, \$259.00

[S+ IEC 60598-2-22 Ed. 5.0 en:2021 \(Redline version\)](#), Luminaires - Part 2-22: Particular requirements - Luminaires for emergency lighting, \$338.00

**Wind turbine generator systems (TC 88)**

[IEC 61400-13 Amd.1 Ed. 1.0 b:2021](#), Amendment 1 - Wind turbines - Part 13: Measurement of mechanical loads, \$51.00

[IEC 61400-13 Ed. 1.1 b:2021](#), Wind turbines - Part 13: Measurement of mechanical loads, \$633.00

# International Organization for Standardization (ISO)

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## Call for U.S. TAG Administrator

### ISO/TC 29/SC 9 - Tools with Defined Cutting Edges, Holding Tools, Cutting Items, Adaptive Items and Interfaces

There is currently no ANSI-accredited U.S. TAG Administrator for ISO/TC 29/SC 9 – *Tools with defined cutting edges, holding tools, cutting items, adaptive items and interfaces* and therefore ANSI is not a member of this committee. The Secretariat for the committee is held by Germany (DIN).

ISO/TC 29/SC 9 operates under the following scope:

*Tools with defined cutting edges, cutting items having functional dimensions linked with cutting edges*

Organizations interested in serving as the U.S. TAG Administrator or participating on a U.S. TAG should contact ANSI's ISO Team ([isot@ansi.org](mailto:isot@ansi.org)).

## ISO New Work Item Proposal

### Driver Training - Intelligent Training System for Vehicle Driving

**Comment Deadline: December 31, 2021**

SAC, the ISO member body for China, has submitted to ISO a new work item proposal for the development of an ISO standard on *Driver training — Intelligent training system for vehicle driving*, with the following scope statement:

*The document specifies the terms and definitions, requirements (including the function requirements and performance requirements), test methods, packaging, transportation and storage of the intelligent training system for vehicle driving, not including the equipments of this system. This document is applicable to the design, development and delivery of the intelligent training system for vehicle driving.*

Anyone wishing to review the proposal can request a copy by contacting ANSI's ISO Team ([isot@ansi.org](mailto:isot@ansi.org)), with a submission of comments to Steve Cornish ([scornish@ansi.org](mailto:scornish@ansi.org)) by close of business on Friday, December 31, 2021.

# Registration of Organization Names in the United States

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The Procedures for Registration of Organization Names in the United States of America (document ISSB 989) require that alphanumeric organization names be subject to a 90-day Public Review period prior to registration. For further information, please contact the Registration Coordinator at (212) 642-4975.

When organization names are submitted to ANSI for registration, they will be listed here alphanumerically.

Alphanumeric names appearing for the first time are printed in bold type. Names with confidential contact information, as requested by the organization, list only public review dates.

## Public Review

NOTE: Challenged alphanumeric names are underlined. The Procedures for Registration provide for a challenge process, which follows in brief. For complete details, see Section 6.4 of the Procedures.

A challenge is initiated when a letter from an interested entity is received by the Registration Coordinator. The letter shall identify the alphanumeric organization name being challenged and state the rationale supporting the challenge. A challenge fee shall accompany the letter. After receipt of the challenge, the alphanumeric organization name shall be marked as challenged in the Public Review list. The Registration Coordinator shall take no further action to register the challenged name until the challenge is resolved among the disputing parties.

# Proposed Foreign Government Regulations

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## Call for Comment

U.S. manufacturers, exporters, regulatory agencies and standards developing organizations may be interested in proposed foreign technical regulations notified by Member countries of the World Trade Organization (WTO). In accordance with the WTO Agreement on Technical Barriers to Trade (TBT Agreement), Members are required to notify proposed technical regulations that may significantly affect trade to the WTO Secretariat in Geneva, Switzerland. In turn, the Secretariat issues and makes available these notifications. The purpose of the notification requirement is to provide global trading partners with an opportunity to review and comment on the regulations before they become final.

The USA Inquiry Point for the WTO TBT Agreement is located at the National Institute of Standards and Technology (NIST) in the Standards Coordination Office (SCO). The Inquiry Point distributes the notified proposed foreign technical regulations (notifications) and makes the associated full-texts available to U.S. stakeholders via its online service, Notify U.S. Interested U.S. parties can register with Notify U.S. to receive e-mail alerts when notifications are added from countries and industry sectors of interest to them. To register for Notify U.S., please visit: <http://www.nist.gov/notifyus/>.

The USA WTO TBT Inquiry Point is the official channel for distributing U.S. comments to the network of WTO TBT Enquiry Points around the world. U.S. business contacts interested in commenting on the notifications are asked to review the comment guidance available on Notify U.S. at: <https://tsapps.nist.gov/notifyus/data/guidance/guidance.cfm> prior to submitting comments.

For further information about the USA TBT Inquiry Point, please visit: <https://www.nist.gov/standardsgov/what-we-do/trade-regulatory-programs/usa-wto-tbt-inquiry-point> Contact the USA TBT Inquiry Point at (301) 975-2918; F: (301) 926-1559; E: [usatbtep@nist.gov](mailto:usatbtep@nist.gov) or [notifyus@nist.gov](mailto:notifyus@nist.gov).

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Issue 6 Revision 1 (November 2021)

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[Note – the recommended changes to the standard which include the current text of the relevant section(s) indicate deletions by use of ~~strikeout~~ and additions by gray highlighting. Rationale statements are in *italics* and only used to add clarity; these statements will NOT be in the finished publication.]

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ANSI/NSI 373 ~~ANSI/NSC 373~~ – 2019

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ANSI/NSI NSC Standard

## Sustainable Production of Natural Dimension Stone

*Rationale: In February 2021, the Natural Stone Institute purchased the Natural Stone Sustainability standard from Natural Stone Council. Change official name of the standard. NSC/ANSI ~~ANSI/NSI~~ 373 Sustainable Production of Natural Dimension Stone*

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### 8 Land reclamation and adaptive reuse

This section addresses responsible and sustainable reclamation of a quarry site once operations have ceased. As such, criteria in this section apply only to facility operators with quarry operations.

#### 8.1 Required – Postclosure reclamation plan

The quarry operator shall develop and maintain reclamation plan(s) that shall include a description of actions to be taken by the operator in the course of closing quarry-ground for each of the following:

- site cleanup (e.g., removal of equipment, storage tanks, septic tanks, and all garbage and debris);
- infrastructure removal (e.g., removal of buildings, utilities, capping of wells);
- site safety (e.g., protective barriers (if applicable), signs);
- reclamation of site. Acceptable reclamation approaches include those focused on both traditional site restoration as well as adaptive reuse (e.g., creation of a recreational area, fulfill community need for landfill, conform to community development, etc.);
- ecosystem restoration (e.g., revegetation, slope reconstruction, natural drainage); and
- monitoring the site according to postquarrying land use objectives.

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NOTE — Credit will be awarded on quarry by quarry basis.

**8.2 Optional Required – Community involvement**

The quarry operator shall document a postclosure reclamation plan with documented involvement of local community organizations including government and local citizens groups. To qualify for this criterion, the resulting plan shall be made available to the public over the period of certification.

NOTE — Credit will be awarded on quarry by quarry basis.

*Rationale: This requirement presents a barrier for participating manufacturers and prevents achievement of this Standard. Change 8.2 Community Involvement from required to optional.*

**8.3 Optional – Exemplary site closure**

The quarrying organization shall demonstrate the successful closure of a site consistent with sustainable postclosure planning. The qualifying reclamation shall have met each of the following to qualify for this criterion:

- site reclamation shall have addressed each of the requirements listed in Section 8.1;
- site reclamation or adaptive reuse shall have been consistent with the needs of the local community, or have been carried out in consideration of the local ecosystem to minimize future impacts; and
- site closure and reclamation shall exhibit action commensurate with the plan, or have been completed within the past 20 years.

Both sustainable site reclamation and adaptive reuse approaches are allowable under this criterion. Demonstrated postclosure care shall occur at a quarry currently or previously owned by the organization. Credit will be awarded on an organizational basis to all quarries seeking certification (2 points).

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## Normative Annex 1

### Scorecard

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Section 8 – Land reclamation and adaptive reuse						
Checklist			Criteria	Required or optional	Description	Maximum possible points
Yes	No	Comment				
			8.1	Required	Postclosure reclamation plan	R
			8.2	<del>Required</del> Optional	Community involvement with development of post closure plan	<del>2</del> R
			8.3	Optional	Exemplary site closure reclamation plan with documented involvement of local community	2
<b>Total points for land reclamation and adaptive reuse</b>						<b><del>4</del> 2</b>

*Rationale: 8.2 Community Involvement from required to optional, reverts to 2-point maximum value as found in ANSI/NSC 373-2017.*

## BSR/UL 651, Standard for Schedule 40, 80, Type EB and A Rigid PVC Conduit and Fittings

### 1. Revise Table 5.1

## PROPOSAL

**Table 5.1**  
Throat diameters at any point in fittings other than adapters

Trade size of conduit	(metric designator)	Minimum throat diameter, in (mm)					
		Field-attached couplings and fittings other than adapters <sup>a</sup>		Factory-applied couplings with stops			
				For use with heavy-wall conduit		For use with thin-wall conduit	
1/2	(16)	0.630	(16.00)	0.630	(16.00)	0.728	(18.49)
3/4	(21)	0.834	(21.18)	0.834	(21.18)	0.840	(21.34)
1	(27)	1.059	(26.90)	1.059	(26.90)	1.205	(30.61)
1-1/4	(35)	1.392	(35.36)	1.392	(35.36)	1.532	(38.91)
1-1/2	(41)	1.622	(41.20)	1.622	(41.20)	1.752	(44.50)
2	(53)	2.079	(52.81)	2.079	(52.81)	2.187	(55.55)
2-1/2	(63)	2.484	(63.09)	2.484	(63.09)	2.670	(67.82)
3	(78)	3.083	(78.31)	3.083	(78.31)	3.365	(85.47)
3-1/2	(91)	3.598	(91.39)	3.598	(91.39)	3.760	(95.50)
4	(103)	4.076	(103.53)	4.076	(103.53)	4.250	(107.95)
5	(129)	5.097	(129.46)	5.097	(129.46)	–	–
6	(155)	6.115	(155.32)	6.115	(155.32)	–	–

<sup>a</sup> For reducers, the throat for the smaller of the two sizes of conduit applies.  
<sup>b</sup> It is not prohibited that the minimum average throat diameters of fittings described in paragraph 5.4 comply with Table 4.3.

### 2. PVC Offset Fittings

## PROPOSAL

#### 5.2 Fabricated fittings

5.2.1 If a rigid polyvinyl chloride (PVC) conduit fitting is fabricated or machined from a length of PVC conduit, the conduit used shall comply with requirements in Sections 1 – 4 and 6, but the fittings need not be subjected to the tests specified in 7.2.3, 7.2.4, 7.2.5, 7.2.7, 7.2.8, and 7.2.9.



## BSR/UL 1484, Standard for Safety for Residential Gas Detectors

### PROPOSAL

#### 1. Combustible Gas Detection Threshold

##### 49 Detection Threshold Tests

##### 49.1 General

49.1.1 A gas detector shall be subjected to the tests in 49.2.1 – 49.17.6. The gas detector shall not false alarm except as specified in 49.2.2 – 49.17.6, and the detection threshold shall not exceed ~~25~~ 10 percent of the lower explosive limit of the gas.

49.1.10 The detection threshold of a detector intended to detect flammable gases such as natural gas or propane is to be determined as follows:

- a) The upper detection threshold determined by the formula:

$$U = \frac{K + I}{2}$$

*in which:*

*U is the value of detection threshold after the detector has been subjected to the conditioning tests specified in 49.2.1 – 49.17.6.*

*K is ~~25~~ 10 percent of the lower explosive limit of the gas that the detector is intended to detect.*

*I is the initial detection threshold of the detector before the tests specified in 49.2.1 – 49.17.6.*

The formula by which U is determined allows a change in detection threshold equal to 50 percent of the difference between ~~25~~ 10 percent of the lower explosive limit of the gas and the initial threshold.

- b) In determining the initial detection threshold, I, the detector is to be exposed to air mixtures of the gas the detector is intended to detect. The detector shall alarm at ~~25~~ 10 percent or less of the lower explosive limit of the gas.

5.2.2 A rigid polyvinyl chloride (PVC) conduit fitting fabricated from a nonstandard size of rigid PVC pipe is acceptable. That pipe need not be investigated for compliance with all of the requirements applicable to rigid PVC conduit if:

- a) An acceptable compound is employed using the same extrusion techniques as are used for rigid PVC conduit; and
- b) The pipe is subjected to and complies with the extrusion-process requirements applicable to rigid PVC conduit.

5.2.3 If an offset rigid polyvinyl chloride (PVC) conduit fitting is fabricated or machined solely from a length of PVC conduit, the conduit used shall comply with requirements in Sections 1 – 4 and 6, prior to fabrication or machining.

5.2.4 An offset rigid polyvinyl chloride (PVC) conduit fitting that is fabricated or machined solely from a length of PVC conduit, need not comply with the minimum average inside diameter of Schedule 40 and 80 rigid PVC conduit requirements found in Table 4.3, nor be subjected to the tests specified in 7.2.3, 7.2.4, 7.2.5, 7.2.7, 7.2.8, and 7.2.9.

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The last three columns display the 30, 45 & 60-DAY PR (Public Review) END dates

ISSUE	SUBMIT START	*SUBMIT END 5 PM	SA PUBLISHED	30-DAY PR END	45-DAY PR END	60-DAY PR END
1	12/21/2021	12/27/2021	<b>Jan 7</b>	2/6/2022	2/21/2022	3/8/2022
2	12/28/2021	1/3/2022	<b>Jan 14</b>	2/13/2022	2/28/2022	3/15/2022
3	1/4/2022	1/10/2022	<b>Jan 21</b>	2/20/2022	3/7/2022	3/22/2022
4	1/11/2022	1/17/2022	<b>Jan 28</b>	2/27/2022	3/14/2022	3/29/2022
5	1/18/2022	1/24/2022	<b>Feb 4</b>	3/6/2022	3/21/2022	4/5/2022
6	1/25/2022	1/31/2022	<b>Feb 11</b>	3/13/2022	3/28/2022	4/12/2022
7	2/1/2022	2/7/2022	<b>Feb 18</b>	3/20/2022	4/4/2022	4/19/2022
8	2/8/2022	2/14/2022	<b>Feb 25</b>	3/27/2022	4/11/2022	4/26/2022
9	2/15/2022	2/21/2022	<b>Mar 4</b>	4/3/2022	4/18/2022	5/3/2022
10	2/22/2022	2/28/2022	<b>Mar 11</b>	4/10/2022	4/25/2022	5/10/2022
11	3/1/2022	3/7/2022	<b>Mar 18</b>	4/17/2022	5/2/2022	5/17/2022
12	3/8/2022	3/14/2022	<b>Mar 25</b>	4/24/2022	5/9/2022	5/24/2022
13	3/15/2022	3/21/2022	<b>Apr 1</b>	5/1/2022	5/16/2022	5/31/2022
14	3/22/2022	3/28/2022	<b>Apr 8</b>	5/8/2022	5/23/2022	6/7/2022
15	3/29/2022	4/4/2022	<b>Apr 15</b>	5/15/2022	5/30/2022	6/14/2022
16	4/5/2022	4/11/2022	<b>Apr 22</b>	5/22/2022	6/6/2022	6/21/2022
17	4/12/2022	4/18/2022	<b>Apr 29</b>	5/29/2022	6/13/2022	6/28/2022
18	4/19/2022	4/25/2022	<b>May 6</b>	6/5/2022	6/20/2022	7/5/2022
19	4/26/2022	5/2/2022	<b>May 13</b>	6/12/2022	6/27/2022	7/12/2022
20	5/3/2022	5/9/2022	<b>May 20</b>	6/19/2022	7/4/2022	7/19/2022
21	5/10/2022	5/16/2022	<b>May 27</b>	6/26/2022	7/11/2022	7/26/2022
22	5/17/2022	5/23/2022	<b>Jun 3</b>	7/3/2022	7/18/2022	8/2/2022
23	5/24/2022	5/30/2022	<b>Jun 10</b>	7/10/2022	7/25/2022	8/9/2022
24	5/31/2022	6/6/2022	<b>Jun 17</b>	7/17/2022	8/1/2022	8/16/2022
25	6/7/2022	6/13/2022	<b>Jun 24</b>	7/24/2022	8/8/2022	8/23/2022
26	6/14/2022	6/20/2022	<b>Jul 1</b>	7/31/2022	8/15/2022	8/30/2022
27	6/21/2022	6/27/2022	<b>Jul 8</b>	8/7/2022	8/22/2022	9/6/2022
28	6/28/2022	7/4/2022	<b>Jul 15</b>	8/14/2022	8/29/2022	9/13/2022
29	7/5/2022	7/11/2022	<b>Jul 22</b>	8/21/2022	9/5/2022	9/20/2022



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31	7/19/2022	7/25/2022	<b>Aug 5</b>	9/4/2022	9/19/2022	10/4/2022
32	7/26/2022	8/1/2022	<b>Aug 12</b>	9/11/2022	9/26/2022	10/11/2022
33	8/2/2022	8/8/2022	<b>Aug 19</b>	9/18/2022	10/3/2022	10/18/2022
34	8/9/2022	8/15/2022	<b>Aug 26</b>	9/25/2022	10/10/2022	10/25/2022
35	8/16/2022	8/22/2022	<b>Sep 2</b>	10/2/2022	10/17/2022	11/1/2022
36	8/23/2022	8/29/2022	<b>Sep 9</b>	10/9/2022	10/24/2022	11/8/2022
37	8/30/2022	9/5/2022	<b>Sep 16</b>	10/16/2022	10/31/2022	11/15/2022
38	9/6/2022	9/12/2022	<b>Sep 23</b>	10/23/2022	11/7/2022	11/22/2022
39	9/13/2022	9/19/2022	<b>Sep 30</b>	10/30/2022	11/14/2022	11/29/2022
40	9/20/2022	9/26/2022	<b>Oct 7</b>	11/6/2022	11/21/2022	12/6/2022
41	9/27/2022	10/3/2022	<b>Oct 14</b>	11/13/2022	11/28/2022	12/13/2022
42	10/4/2022	10/10/2022	<b>Oct 21</b>	11/20/2022	12/5/2022	12/20/2022
43	10/11/2022	10/17/2022	<b>Oct 28</b>	11/27/2022	12/12/2022	12/27/2022
44	10/18/2022	10/24/2022	<b>Nov 4</b>	12/4/2022	12/19/2022	1/3/2023
45	10/25/2022	10/31/2022	<b>Nov 11</b>	12/11/2022	12/26/2022	1/10/2023
46	11/1/2022	11/7/2022	<b>Nov 18</b>	12/18/2022	1/2/2023	1/17/2023
47	11/8/2022	11/14/2022	<b>Nov 25</b>	12/25/2022	1/9/2023	1/24/2023
48	11/15/2022	11/21/2022	<b>Dec 2</b>	1/1/2023	1/16/2023	1/31/2023
49	11/22/2022	11/28/2022	<b>Dec 9</b>	1/8/2023	1/23/2023	2/7/2023
50	11/29/2022	12/5/2022	<b>Dec 16</b>	1/15/2023	1/30/2023	2/14/2023
51	12/6/2022	12/12/2022	<b>Dec 23</b>	1/22/2023	2/6/2023	2/21/2023
52	12/13/2022	12/19/2022	<b>Dec 30</b>	1/29/2023	2/13/2023	2/28/2023