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# **Project Initiation Notification System (PINS)**

Section 2.5.1 of the ANSI Essential Requirements (www.ansi.org/essentialrequirements) describes the Project Initiation Notification System (PINS) and includes requirements associated with a PINS Deliberation. Following is a list of PINS notices submitted for publication in this issue of ANSI Standards Action by ANSI-Accredited Standards Developers (ASDs). Please also review the section in Standards Action entitled "American National Standards Maintained Under Continuous Maintenance" for information about American National Standards (ANS) maintained under the continuous maintenance option, as a PINS to initiate a revision of such standards is not required. 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 interested parties wishing to receive more information or to submit comments are to contact the sponsoring ANSI-Accredited Standards Developer directly **within 30 calendar days** of the publication of this PINS announcement.

#### AGMA (American Gear Manufacturers Association)

Phillip Olson <olson@agma.org> | 1001 N. Fairfax Street, Suite 500 | Alexandria, VA 22314 www.agma.org

#### National Adoption

BSR/AGMA IEC 61400-4-AXX, Wind energy generation systems – Part 4: Design requirements for wind turbine gearboxes (identical national adoption of IEC 61400-4:2025)

Stakeholders: Manufacturers of gears and other components that go into wind turbines. Wind turbine industry. Consultants to the wind turbine industry.

Project Need: AGMA currently has a published standard on wind turbine gearboxes, ANSI/AGMA 6006-B20. This new international standard was developed with involvement from AGMA members and contains the latest state of the art. Intent of adopting is also to consider it replacing the AGMA standard.

Interest Categories: Manufacturers – Those companies that produce gearing and flexible couplings for use by others; Users – Those companies that use gearing in their products;

General interest parties – Others that are interested in gear standardization, such as academicians, consultants, and equipment suppliers to the industry (tool, lubricant, material suppliers, etc.).

This document is for speed-increasing gearboxes for horizontal-axis wind-turbine drivetrains with a power rating in excess of 500 kW. This applies to newly designed gearboxes for wind turbines installed onshore or offshore and not intended for repaired or refurbished gearboxes, or for the extension of the service life beyond the design life. Guidance is provided on the analysis of the wind turbine loads in relation to the design of the gear and gearbox elements. The gearing elements covered by this document include spur, helical or double helical, and their combinations in parallel and epicyclic arrangements in the main power path but not power take off gears. Requirements, design recommendations, and rating of gearboxes with rolling bearings, plain bearings, or combinations of both bearing types are included. Also included are the engineering of shafts, shaft hub interfaces, lubrication, wind turbine controller interface, and the gear case structure. Requirements for dynamic analysis not including noise transmission and emission of the gearbox within the wind turbine system are specified. Further, this document provides requirements and guidance on gearbox design verification, prototype testing and production testing, as well as consideration of design for service and maintenance.

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

Kathryn Murdoch <kmurdoch@ans.org> | 1111 Pasquinelli Drive, Suite 350 | Westmont, IL 60559 www.ans.org

#### New Standard

BSR/ANS 20.3-202x, Standard for Oxygen Concentration Measurement in Molten Salt by Inert Gas Fusion Analysis (new standard)

Stakeholders: Government & Regulatory Bodies, Research and Academic Institutions; Molten Salt Reactor Operators; Fuel Supply Chain and Materials Companies; Molten Salt Reactor Developers; Salt Manufacturers

Project Need: Oxygen in molten salts is one of the critical factors that impact salt redox potential, driving the corrosion of structural materials and compromising system stability. Despite its significance, no standardized method currently exists, resulting in inconsistent data and challenges in comparing results across studies. Establishing a standardized protocol for determining oxygen concentration is essential to ensure accurate and consistent measurements across different analyzers. This standard will facilitate a better understanding of oxygen concentration in salts and help establish thresholds for purity needed for safe reactor operation.

Interest Categories: Individual; Government Agency; National Laboratories/Government Facilities; Owner; University; Vendor

This standard establishes a standardized protocol for analyzing oxygen concentration in molten salts using inert gas fusion analysis. The comprehensive methodology includes the development of precise analytical procedures, optimized sample preparation techniques, and detailed analysis protocols to ensure accuracy and repeatability. The standardization effort covers a broad range of analyzers, ensuring compatibility and reliability across different instrumentation. This work aims to provide a universally applicable guideline for determining oxygen content in molten salts, facilitating consistency and comparability between users.

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

Crystal Lawrence <lawrencec@apcointl.org; standards@apcointl.org> | 351 N. Williamson Boulevard | Daytona Beach, FL 32114 -1112 www.apcoIntl.org

#### Revision

BSR/APCO 1.117.2-202X, Emergency Communication Center (ECC) Key Performance Indicators (revision and redesignation of ANSI/APCO 1.117.1-2019)

Stakeholders: Users, Producers and General Interest in Emergency Communications Center Key Performance Indicators

Project Need: This revised standard will identify specific areas of communications center performance, which should be measured in order to benchmark center effectiveness.

Interest Categories: User, Producer, General Interest

To provide communications center management with Key Performance Indicators (KPIs) as they relate to the operational performance of communications centers. Topics may include, but are not limited to, number of 9-1-1 calls, time to answer, number of emergency/non-emergency incidents, number of abandoned calls, length of call, wired, wireless calls, TDD/TTY, and Next Generation capabilities such as Text to 9-1-1(SMS, MMS), Video, etc. Telephone trunk group, number of calls transferred, emergency and non-emergency calls handled, customer satisfaction, and frequency of review will also be addressed.

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

Tanisha Meyers-Lisle <tmlisle@ashrae.org> | 180 Technology Parkway | Peachtree Corners, GA 30092 www.ashrae.org

#### Revision

BSR/ASHRAE 41.2-202x, Standard Methods for Air Velocity and Airflow Measurement (revision of ANSI/ASHRAE Standard 41.2-2022)

Stakeholders: Consumers, heating and air-conditioning equipment manufacturers, product rating and certification agencies, and others by providing clearly written procedures for accurately measuring laboratory airflow

Project Need: Standard 41.2 requires a revision to incorporate addenda.

Interest Categories: General, User, and Producer

This standard prescribes methods for air velocity and airflow measurement, including consideration of density effects.

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

Tanisha Meyers-Lisle <tmlisle@ashrae.org> | 180 Technology Parkway | Peachtree Corners, GA 30092 www.ashrae.org

#### Revision

BSR/ASHRAE 41.3-202x, Standard Methods for Pressure Measurement (revision of ANSI/ASHRAE Standard 41.3-2022) Stakeholders: Consumers, heating and air-conditioning equipment manufacturers, product rating and certification agencies, and others by providing clearly written procedures for accurately measuring laboratory airflow

Project Need: Standard 41.3 requires a revision to incorporate addenda.

Interest Categories: General, User, Producer

This standard prescribes methods for pressure measurements under laboratory and field conditions.

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

Thuy Ton <ansi.contact@csagroup.org> | 8501 East Pleasant Valley Road | Cleveland, OH 44131-5575 www.csagroup.org

#### National Adoption

BSR/CSA C22.2 No. 62395-1-202x, Electrical Resistance Trace Heating Systems for Industrial And Commercial Applications – Part 1: General and Testing Requirements (national adoption with modifications of IEC/IEEE 62395-1 -2024)

Stakeholders: Industrial and commercial users, manufacturers, regulators, and certification agencies

Project Need: Currently, there are regional standards to address the certification of electrical resistance trace heating systems for industrial and commercial applications. The intent of this project is to adopt this international standard in the US and Canada to create a standard suitable for global product certification.

Interest Categories: The consensus body consists of the following interest categories: Producer Interest, Regulatory Authorities, User Interest, and General Interest.

This document pertains to trace heating systems that can comprise either factory-fabricated or field-assembled (work-site) units, and which can be series and parallel trace heaters or surface heaters (heater pads and heater panels) that have been assembled and/or terminated in accordance with the manufacturer's instructions. This document also includes requirements for termination assemblies and control methods used with trace heating systems. This document provides the essential requirements and testing appropriate to electrical resistance trace heating equipment used in industrial and commercial applications. The products complying with this document are intended to be installed by persons who are suitably trained in the techniques required and that only trained personnel carry out especially critical work, such as the installation of connections and terminations. Installations are intended to be carried out under the supervision of a qualified person who has undergone supplementary training in electric trace heating systems. This document does not include or provide for any applications in potentially explosive atmospheres.

#### **CTA (Consumer Technology Association)**

Kerri Haresign <KHaresign@cta.tech> | 1919 South Eads Street | Arlington, VA 22202 www.cta.tech

#### New Standard

BSR/CTA 2045.4-202x, Implementation Guide for the Modular Communications Interface for Energy Management (new standard)

Stakeholders: Users, manufacturers, retailers

Project Need: To describe enhancements that support more advanced appliance communication and control capabilities.

Interest Categories: User, general interest, producer

This is as an extension to ANSI/CTA 2045-B, with requirements that are additive and complementary to the original communication protocol.

#### HPVA (Hardwood Plywood Veneer Association)

Joshua Hosen </br>

Joshua Hosen 
Joshua Hosen@decorativehardwoods.org> | 42777 Trade West Drive | Sterling, VA 20166 www.DecorativeHardwoods.org

#### Revision

BSR/HPVA EF-202x, Standard for Engineered Wood Flooring (revision of ANSI/HPVA EF-2020) Stakeholders: Manufacturers, suppliers, distributors, and users of engineered wood flooring.

Project Need: The review is being completed as part of the 5-year review process required for our ANSI standards. Revisions are being considered to reflect changes in manufacturing, material resources, and overall use of the standard and its specifications.

Interest Categories: Producers, users, general interest

This Standard establishes nationally recognized requirements for commercially available engineered wood flooring. It is intended to provide manufacturers, distributors, and users with a basis for common understanding of the characteristics of these products. Requirements are given for grading, bond line, moisture content, machining and formaldehyde emissions of engineered wood flooring. Methods for identifying products that conform to the Standard, as well as trade terms used, are included. Information on ordering, installation, re-inspection practices and inherent characteristics of engineered wood flooring is included in the Appendix.

#### **ISTA (International Safe Transit Association)**

Eric Hiser <ehiser@ista.org> | 1400 Abbot Road, Suite 160 | East Lansing, MI 48823 www.ista.org

#### Revision

BSR/ISTA 3E-202x, ISTA Procedure 3E - Similar Packaged-Products in Unitized Loads for Truckload Shipment (ISTA Procedure 3E-2017) (revision of ANSI/ISTA Procedure 3E-2017)

Stakeholders: Consumer packaged goods (CPG) companies, testing laboratories, packaging suppliers, and retailers.

Project Need: Review and potential revisions to compression testing element.

Interest Categories: Shippers, suppliers, carriers, testing labs, educational institutes, consultants, and retailers.

Procedure 3E covers the testing of unitized loads, made up of either single or multiple products or packages of similar products prepared for shipment via a Full Truckload (FTL) delivery system carrier. FTL is defined as a motor carrier shipment, where an entire trailer-load is filled with unitized packaged-products, often of similar retail packaged-products, intended for one destination.

#### **ULSE (UL Standards and Engagement)**

Griff Edwards <griff.edwards@ul.org> | 12 Laboratory Drive | Research Triangle Park, NC 27709-3995 https://ulse.org/

#### New Standard

BSR/UL 393-202x, Standard for Safety for Indicating Pressure Gauges for Fire-Protection Service (new standard) Stakeholders: Indicating pressure gauge manufacturers, Fire marshals and other AHJs, Sprinkler/standpipe manufacturers and installers, Testing laboratories.

Project Need: The need is to provide an ANSI-approved standard, UL 393, for indicating pressure gauges for fireprotection service. This Standard will provide requirements for indicating pressure gauges of the elastic element type intended for use with sprinkler or standpipe equipment for fire-protection service. The gauges covered by this Standard are intended to be installed and used in accordance with NFPA 13, NFPA 14, NFPA 24, and NFPA 20.

Interest Categories: Producers, Testing & Standards Organizations, Supply Chain, General Interest, AHJ/Regulator, Commercial/Industrial Users

1.1 These requirements cover indicating pressure gauges of the elastic element type intended for use with sprinkler or standpipe equipment for fire-protection service.

1.2 These requirements cover gauges of trade sizes 3-1/2 to 4-1/2 inches (90 to 115 mm), inclusive.

1.3 The gauges covered by these requirements are intended for installation and use according to the following Standards of the National Fire Protection Association: (a) Standard for Installation of Sprinkler Systems, NFPA 13; (b) Standard for Installation of Standpipe and Hose Systems, NFPA 14; (c) Standard for Installation of Private Fire Service Mains and Their Appurtenances, NFPA 24; and (d) Standard for Installation of Stationary Fire Pumps for Fire Protection, NFPA 20.

# **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

\* Standard for consumer products

### Comment Deadline: July 13, 2025

### DirectTrust<sup>™</sup> (DirectTrust.org, Inc.)

1629 K Street NW, Suite 300, Washington, DC 20006 | taylor.davis@directtrust.org, www.DirectTrust.org

#### Revision

BSR/DS2019-01-201-202x, XDR and XDM for Direct Secure Messaging Specification (revision of ANSI/DS2019 -01-200-2025)

The XDR and XDM for Direct Secure Messaging Specification was created to provide the necessary requirements for using the IHE XD Metadata in the context of the Direct Standard (ANSI/DS 2019-01-100-2021). It builds upon existing specifications, such as the Cross-Enterprise Document Media Exchange (XDM) which provides Direct-Protocol-compatible healthcare-specific metadata exchange, and the Cross-Enterprise Document Reliable Interchange (XDR) which is used in SOAP-based Web Services healthcare exchange networks. The XDR and XDM for Direct Secure Messaging Specification specifies not only a guidance for the use of these specifications but adds requirements and constraints to reduce interoperability "friction" among healthcare organizations with different technological bases.

Click here to view these changes in full

Send comments (copy psa@ansi.org) to: Taylor Davis, Standards@DirectTrust.org

#### FM (FM Approvals)

One Technology Way, Norwood, MA 02062 | josephine.mahnken@fmapprovals.com, www.fmapprovals.com

#### Revision

BSR/FM 6020-202x, Evaluating Fire Performance of Intermediate Bulk Containers (IBCs) (revision of ANSI/FM 6020-2015)

This revision adds a new section with performance requirements for liquids with flash point equal or greater than 100 degrees F (38 degrees C).

#### Click here to view these changes in full

Send comments (copy psa@ansi.org) to: Josephine Mahnken <josephine.mahnken@fmapprovals.com>

#### **RVIA (Recreational Vehicle Industry Association)**

2465 J-17 Centreville Road, #801, Herndon, VA 20171 | treamer@rvia.org, www.rvia.org

#### Revision

BSR/RVIA RVEC-1-202x, Testing Requirements of Exterior Components for Recreational Vehicles (revision of ANSI/RVIA RVEC-1-2021)

This standard provides uniform testing criteria and safety testing requirements for exterior components installed on recreational vehicles. The purpose of this standard, of laboratory test procedures, is to provide minimum safety criteria, through uniform testing, of exterior components when installed and used on recreational vehicles. This standard shall be applied to all new unused exterior components for recreational vehicles that have not been in use.

#### Click here to view these changes in full

Send comments (copy psa@ansi.org) to: Tyler Reamer <treamer@rvia.org>

#### **ULSE (UL Standards and Engagement)**

47173 Benicia Street, Fremont, CA 94538 | Derrick.L.Martin@ul.org, https://ulse.org/

#### Revision

BSR/UL 746D-202x, Standard for Safety for Polymeric Materials - Fabricated Parts (revision of ANSI/UL 746D -2023)

This project for UL 746D covers the Addition of Requirements for Reprocessed Thermoplastics as New Section 8A.

Click here to view these changes in full

Send comments (copy psa@ansi.org) to: https://csds.ul.com/ProposalAvailable

#### **ULSE (UL Standards and Engagement)**

1603 Orrington Ave, Evanston, IL 60201 | olivia.lawson@ul.org, https://ulse.org/

#### Revision

BSR/UL 969-202x, Standard for Safety for Marking and Labeling Systems (revision of ANSI/UL 969-2018 (R2023))

This revision of ANSI/UL 2200 covers: (1) Expand scope to include heat fusion labels and related products; (3) General updates to clarify requirements.

#### Click here to view these changes in full

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

#### **ULSE (UL Standards and Engagement)**

12 Laboratory Drive, Research Triangle Park, NC 27709-3995 | griff.edwards@ul.org, https://ulse.org/

#### Revision

BSR/UL 985-202x, Standard for Household Fire Warning System Units (revision of ANSI/UL 985-2025) (1) New Glossary term for 'spread spectrum' and exceptions in 70.3, 71.2, and 72.1.

#### Click here to view these changes in full

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/ProposalAvailable.

#### **ULSE (UL Standards and Engagement)**

12 Laboratory Drive, Research Triangle Park, NC 27709-3995 | griff.edwards@ul.org, https://ulse.org/

#### Revision

BSR/UL 1023-202x, Standard for Safety for Household Burglar-Alarm System Units (revision of ANSI/UL 1023 -2024)

(1) New Glossary term for 'spread spectrum' and exceptions in Sections 68, 69, and 70.

#### Click here to view these changes in full

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/ProposalAvailable.

### Comment Deadline: July 28, 2025

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

2311 Wilson Boulevard, Suite 400, Arlington, VA 22201 | jyeh2@ahrinet.org, www.ahrinet.org

#### New Standard

BSR/AHRI Standard 1530-202x (I-P), Demand-flexible Commercial Electric Storage Water Heaters (new standard) This standard includes definitions, test requirements, methods of testing and verification, operating and physical requirements, minimum data requirements for compliance claims, and conformance conditions for demand-flexible commercial water heaters.

Single copy price: Free

Obtain an electronic copy from: https://connect.ahrinet.org/standards-public-review/stdsunderpublicreview Send comments (copy psa@ansi.org) to: AHRI\_Standards@ahrinet.org

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

1305 Walt Whitman Road, Suite 300, Melville, NY 11747 | standards@acousticalsociety.org, www.acousticalsociety.org

#### Revision

BSR S3.6-202x, Specification of Audiometers (revision of ANSI/ASA S3.6-2018 (R2023))

The audiometers covered in this specification are devices designed for use in determining the hearing threshold level of an individual in comparison with a chosen standard reference threshold level. This standard provides specifications and tolerances for pure tone, speech, and masking signals and describes the minimum test capabilities of different types of audiometers. Methods and requirements for calibration of audiometers are provided.

Single copy price: \$169.00

Obtain an electronic copy from: standards@acousticalsociety.org

Send comments (copy psa@ansi.org) to: Nancy Blair-DeLeon <standards@acousticalsociety.org>

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

2590 Niles Road, Saint Joseph, MI 49085 | stell@asabe.org, https://www.asabe.org/

#### Revision

BSR/ASABE/ISO 5700-2025 MONYEAR-202x, Tractors for agriculture and forestry - Roll-over protective structures - Static test method and acceptance conditions (revision and redesignation of ANSI/ASABE/ISO 5700-2013 SEP2017 (R2022))

This document specifies a static test method and the acceptance conditions for roll-over protective structures (cab or frame) of wheeled or tracked tractors for agriculture and forestry as described in ISO 12934:2021, 3.2.1. It is applicable to tractors having at least two axles for wheels mounted with pneumatic tyres, or having tracks instead of wheels, with an unballasted tractor mass of not less than 600 kg and a minimum track width of the rear wheels greater than 1150 mm. It is not applicable to tractors having a mass ratio (maximum permissible mass/reference mass) greater than 1.75.

Single copy price: Free

Obtain an electronic copy from: stell@asabe.org

Send comments (copy psa@ansi.org) to: Sadie Stell <stell@asabe.org>

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

180 Technology Parkway, Peachtree Corners, GA 30092 | tmlisle@ashrae.org, www.ashrae.org

#### Reaffirmation

BSR/ASHRAE Standard 110-2016 (R202x), Method of Testing Performance of Laboratory Fume Hoods (reaffirmation of ANSI/ASHRAE Standard 110-2016)

This standard specifies a quantitative and qualitative test method for evaluating fume containment of laboratory fume hoods. This method of testing applies to conventional, bypass, auxiliary-air, and VAV laboratory fume hoods. This method of testing is intended primarily for laboratory and factory testing but may also be used as an aid in evaluating installed performance.

Single copy price: Free

Obtain an electronic copy from: Free download at http://www.ashrae.org/standards-research--technology/public-review-drafts

Send comments (copy psa@ansi.org) to: Online Comment Database at http://www.ashrae.org/standardsresearch--technology/public-review-drafts

#### **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

BSR/ASME BPVC Section XI-202x, Section XI Rules for Inservice Inspection of Nuclear Reactor Facility Components (revision of ANSI/ASME BPVC Section XI-2023)

Section XI, Division 1 provides requirements for examination, testing, and inspection of components and systems, and repair/replacement activities in a nuclear power plant. Application of Division 1 begins when the requirements of the Construction Code have been satisfied.

Section XI, Division 2 is a technology-neutral standard that provides requirements for protecting pressure integrity of structures, systems, and components (SSCs) that affect reliability. Application of Division 2 begins when the requirements of the Construction Code have been satisfied. It is applicable regardless of the Construction Code classification used for an SSC if the SSC is designated as important to the safety and reliability of an operating facility.

Single copy price: Free

Obtain an electronic copy from: https://cstools.asme.org/csconnect/PublicReviewPage.cfm Send comments (copy psa@ansi.org) to: Daniel Miro-Quesada <miroquesada@asme.org >

#### AWS (American Welding Society)

8669 NW 36th Street, Suite 130, Miami, FL 33166-6672 | kbulger@aws.org, www.aws.org

#### New Standard

BSR/AWS C3.13M/C3.13-202x, Specification for Controlled Atmosphere Brazing (CAB) of Aluminum (new standard)

This specification provides the minimum fabrication, equipment, and process procedure requirements, as well as inspection requirements for the controlled atmosphere brazing (CAB) of aluminum. This specification provides criteria for classifying CAB brazed aluminum joints based on loading and the consequences of failure and quality assurance criteria defining the limits of acceptability in each class. The specification defines acceptable CAB aluminum brazing equipment, materials, and procedures, as well as the required inspection for each class of joint.

Single copy price: \$33.00 (member)/\$44.00 (non-member) Obtain an electronic copy from: kbulger@aws.org Send comments (copy psa@ansi.org) to: Same

#### AWS (American Welding Society)

8669 NW 36th Street, Suite 130, Miami, FL 33166-6672 | kbulger@aws.org, www.aws.org

#### New Standard

BSR/AWS C3.15M/C3.15-202x, Standard Methods for Evaluating the Strength of Soldered Joints (new standard) This standard describes the test methods used to obtain the strength of soldered joints. Monotonic (unidirectional) and cyclic (fatigue) testing are considered in this standard. Sample geometries are described that allow for the application of stresses in tension, shear, bending moment, and peel configurations. Details are provided, which describe specimen preparation methods, soldering procedures, testing parameters, and methods for data analysis.

Single copy price: \$33.00 (member)/\$44.00 (non-member) Obtain an electronic copy from: kbulger@aws.org Send comments (copy psa@ansi.org) to: Same

#### AWS (American Welding Society)

8669 NW 36th Street, Suite 130, Miami, FL 33166-6672 | kbulger@aws.org, www.aws.org

#### Revision

BSR/AWS C3.4M/C3.4-202x, Specification for Torch Brazing (revision of ANSI/AWS C3.4M/C3.4-2016) This specification presents the minimum fabrication, equipment, and process procedure requirements, as well as inspection requirements for the torch brazing of steels, stainless steels, copper, copper alloys, and heat- or corrosion-resistant alloys and other materials that can be adequately torch brazed (the torch brazing of aluminum alloys is addressed in AWS C3.7M/C3.7, Specification for Aluminum Brazing). This specification provides criteria for classifying torch-brazed joints based on loading and the consequences of failure and quality assurance criteria defining the limits of acceptability in each class. The specification defines acceptable torch brazing equipment, materials, and procedures as well as the required inspection for each class of joint. Single copy price: \$33.00 (member)/\$44.00 (non-member) Obtain an electronic copy from: kbulger@aws.org

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

#### AWS (American Welding Society)

8669 NW 36th Street, Suite 130, Miami, FL 33166-6672 | kbulger@aws.org, www.aws.org

#### Revision

BSR/AWS C3.5M/C3.5-202x, Specification for Induction Brazing (revision of ANSI/AWS C3.5M/C3.5-2016) This specification provides the minimum fabrication, equipment, and process procedure requirements, as well as inspection requirements for the induction brazing of steels, copper, copper alloys, and heat- and corrosionresistant alloys and other materials that can be adequately induction brazed (the induction brazing of aluminum alloys is addressed in AWS C3.7M/C3.7, Specification for Aluminum Brazing). This specification provides criteria for classifying induction-brazed joints based on loading and the consequences of failure and quality assurance criteria defining the limits of acceptability in each class. The specification defines acceptable induction brazing equipment, materials, and procedures, as well as the required inspection for each class of joint. Single copy price: \$33.00 (member)/\$44.00 (non-member) Obtain an electronic copy from: kbulger@aws.org Send comments (copy psa@ansi.org) to: Same

#### AWS (American Welding Society)

8669 NW 36th Street, Suite 130, Miami, FL 33166-6672 | kbulger@aws.org, www.aws.org

#### Revision

BSR/AWS C3.6M/C3.6-202x, Specification for Furnace Brazing (revision of ANSI/AWS C3.6M/C3.6-2016) This specification provides the minimum fabrication, equipment, material, process and procedure requirements, as well as inspection requirements for the furnace brazing of steels, copper, copper alloys, and heat- and corrosion-resistant alloys and other materials that can be adequately furnace brazed (the furnace brazing of aluminum alloys is addressed in AWS C3.7M/C3.7, Specification for Aluminum Brazing). This specification provides criteria for classifying furnace-brazed joints based on loading and the consequences of failure and quality assurance criteria defining the limits of acceptability in each class. This specification defines acceptable furnace brazing equipment, materials, and procedures, as well as the required inspection for each class of joint. Single copy price: \$33.00 (member)/\$44.00 (non-member)

Obtain an electronic copy from: kbulger@aws.org

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

#### CTA (Consumer Technology Association)

1919 South Eads Street, Arlington, VA 22202 | KHaresign@cta.tech, www.cta.tech

#### National Adoption

BSR/CTA 6005-202x, Multimedia systems and equipment - Colour measurement and management - Part 2-4: Colour management - Extended-gamut YCC colour space for video IEC 61966-2-4:2006 (identical national adoption of IEC 61966-2-4:2006)

IEC 61966-2-4:2006 is applicable to the encoding and communication of YCC colours used in video systems and similar applications by defining encoding transformations for use in defined reference capturing conditions. If actual conditions differ from the reference conditions, additional rendering transformations may be required. Such additional rendering transformations are beyond the scope of this standard.

Single copy price: Free

Obtain an electronic copy from: standards@cta.tech

Send comments (copy psa@ansi.org) to: standards@cta.tech

#### CTA (Consumer Technology Association)

1919 South Eads Street, Arlington, VA 22202 | KHaresign@cta.tech, www.cta.tech

#### National Adoption

BSR/CTA 6006-202x, Digital Audio Interface - Part 1: General (IEC 60958-1:2021) (identical national adoption of IEC 60958-1:2021)

IEC 60958-1:2021 describes a serial, uni-directional, self-clocking interface for the interconnection of digital audio equipment for consumer and professional applications. It provides the basic structure of the interface. Separate documents define items specific to particular applications.

Single copy price: Free

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#### CTA (Consumer Technology Association)

1919 South Eads Street, Arlington, VA 22202 | KHaresign@cta.tech, www.cta.tech

#### National Adoption

BSR/CTA 6007-202x, Multimedia systems - Guide to the Recommended Characteristics of Analogue Interfaces to Achieve Interoperability (IEC 61938:2018) (identical national adoption of IEC 61938:2018)

IEC 61938:2018 gives guidance on current practice for the characteristics of multimedia analogue interfaces to achieve interoperability between equipment from different manufacturers. It is not a performance standard. Recommendations for interfaces for equipment used in vehicles, and for analogue video interfaces for broadcast and similar equipment, are not given.

Single copy price: Free

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#### **CTA (Consumer Technology Association)**

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#### National Adoption

BSR/CTA 6008-202x, Portable multimedia equipment - Determination of battery duration - Part 1: Powered loudspeaker equipment (IEC 63296-1:2021) (identical national adoption of IEC 63296-1:2021) IEC 63296-1:2021 specifies the methods for measuring the battery duration at defined sound pressure levels for continuous music playback of battery-powered loudspeaker equipment. A primary battery or secondary battery can be used as a power source for the loudspeaker and its composite equipment. In the case of composite equipment, this method for the measurement of battery duration can be applied under the condition of powered loudspeaker playback only.

Single copy price: Free

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#### **CTA (Consumer Technology Association)**

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#### National Adoption

BSR/CTA 6009-202x, LCD multi-screen display terminals - Part 2: Measuring methods (IEC 63181-2:2020) (identical national adoption of IEC 63181-2:2020)

IEC 63181-2:2020 specifies measuring methods for LCD multi-screen display terminals. To evaluate the characteristics of LCD multi-screen display terminals, the following measurement items are specified:

- gap (physical, optical): detailed splicing precision;

- splicing deviation: splicing accuracy of active areas of LCD splicing screen;
- installation deviation: the flatness of terminal surfaces in vertical and horizontal directions;
- luminance uniformity: luminance uniformity of adjacent LCD units;
- chromatic uniformity: chromatic uniformity of adjacent LCD units.

Single copy price: Free

Obtain an electronic copy from: standards@cta.tech

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#### **CTA (Consumer Technology Association)**

1919 South Eads Street, Arlington, VA 22202 | KHaresign@cta.tech, www.cta.tech

#### Revision

BSR/CTA 2051-B-202x, Wearable Sound Amplifier Performance Criteria (revision of ANSI/CTA 2051-A-2022) This standard includes technical performance metrics and associated target values for consumer products that provide wearable sound amplification and/or audio enhancement to a user. Products shall meet the stated requirements to be considered as compliant to this standard. Wearable sound amplification may be a single function within a larger set of device capabilities.

Single copy price: Free

Obtain an electronic copy from: standards@cta.tech

Send comments (copy psa@ansi.org) to: standards@cta.tech

#### DirectTrust<sup>™</sup> (DirectTrust.org, Inc.)

1629 K Street NW, Suite 300, Washington, DC 20006 | taylor.davis@directtrust.org, www.DirectTrust.org

#### New Standard

BSR/DS2019-01-400-202x, Implementation Guide for Delivery Notification for Direct Secure Messaging (new standard)

The American National Standard "Applicability Statement for Secure Health Transport" establishes the standard protocols, including message formats and processing requirements, for communication between Security/Trust Agents (STAs). The communication protocol for delivery notifications between STAs is based on mail system reports, which include Message Disposition Notifications (MDNs) and Delivery Status Notifications (DSNs). The Implementation Guide for Delivery Notifications in Direct provides implementation guidance enabling STAs to provide a high level of assurance that a message has arrived at its destination and outlines the various exception flows that result in compromised message delivery and the mitigation actions that should be taken by STAs to provide success and failure notifications to the sending system.

Single copy price: \$30.00

Obtain an electronic copy from: Standards@DirectTrust.org

Send comments (copy psa@ansi.org) to: Taylor Davis, Standards@DirectTrust.org

#### IAPMO (ASSE Chapter) (ASSE International Chapter of IAPMO)

18927 Hickory Creek Drive, Suite 220, Mokena, IL 60448 | standards@iapmostandards.org, www.asse-plumbing.org

#### Revision

BSR/ASSE 1010-202x, Performance Requirements for Water Hammer Arresters (revision of ANSI/ASSE 1010 -2021)

This standard applies only to those devices classified as water hammer arresters having a permanently sealed cushion of gas isolated from the waterway, and designed to provide continuous protection, without maintenance, against detrimental surge pressures within the water distribution system.

Single copy price: Free

Obtain an electronic copy from: standards@iapmostandards.org

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

#### IAPMO (Z) (International Association of Plumbing and Mechanical Officials)

4755 East Philadelphia Street, Ontario, CA 91761 | standards@iapmostandards.org, https://www.iapmostandards.org

#### New Standard

BSR/IAPMO Z1381-202x, Ambient Temperature Loop Systems (new standard)

This standard applies to ambient temperature loop (ATL) distributed energy systems and related low-temperature distribution systems. Such systems can be integrated with multiple renewables such as solar thermal and solar photovoltaic. An ATL system is a closed-loop piping system with central pumping that includes various heat sources and heat sinks to hold the loop fluid near the long-term average ambient air temperature. The sources/sinks can be passive (e.g., a ground loop, a body of water, sewer effluent) or active (e.g., a cooling tower) and further can include, opportunistic, or unique locally available waste or byproduct heat sources (e.g., data center, industrial process). The closed-loop piping system typically controls or engages these sources/sinks to maintain the loop temperature to meet the seasonal requirements as well as specific building needs. Single copy price: Free

Obtain an electronic copy from: standards@iapmostandards.org Send comments (copy psa@ansi.org) to: Same

#### IAPMO (Z) (International Association of Plumbing and Mechanical Officials)

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#### New Standard

BSR/IAPMO Z1404-202x, Combined Hand-Washing Systems (new standard)

This Standard covers combined hand-washing systems comprised of electronically actuated soap dispensers, faucets, and hand air-dryers, hot-water on-demand or automatic activated hot-water pumping systems and specifies requirements for materials, physical characteristics, performance testing, and markings. Single copy price: Free

Obtain an electronic copy from: standards@iapmostandards.org

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

#### IAPMO (Z) (International Association of Plumbing and Mechanical Officials)

4755 East Philadelphia Street, Ontario, CA 91761 | standards@iapmostandards.org, https://www.iapmostandards.org

#### New Standard

BSR/IAPMO Z1405-202x, Elastomeric Test Caps, Cleanout Caps, and Combination Test Caps/Shielded Couplings (new standard)

This Standard covers elastomeric test caps, cleanout caps, and combination test caps/shielded couplings, and specifies requirements for materials, physical characteristics, performance testing, and markings. Single copy price: Free

Obtain an electronic copy from: standards@iapmostandards.org

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

#### **NECA (National Electrical Contractors Association)**

1201 Pennsylvania Avenue, Suite 1200, Washington, DC 20004 | Jeff.Noren@NECAnet.org, www.neca-neis.org

#### New Standard

BSR/NECA 726-202X, Standard for Installing and Maintaining Class 4 Fault-Managed Power (FMP) Systems (new standard)

1.1 Products and Applications Included This Standard describes the procedures for installing and maintaining Class 4 Fault-Managed Power (FMP) Systems rated 450 VDC and less, and 450 VAC peak and less.

1.2 Products and Applications Excluded This Standard does not apply to:

- Design of Class 4 FMP systems and circuits;

- Systems and circuits outside of Class 4 FMP systems and circuits.

Single copy price: \$30.00 (member)/\$60.00 (non-member)

Obtain an electronic copy from: neis@necanet.org

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

#### **NETA (InterNational Electrical Testing Association)**

3050 Old Centre Rd, Suite 101, Portage, MI 49024 | Idanzy@netaworld.org, www.netaworld.org

#### Revision

BSR/NETA ETT-2026-202x, Standard for Certification of Electrical Testing Technicians (revision of ANSI/NETA ETT -2022)

Establishes minimum requirements for qualification and certification of the electrical testing technician. Details the minimum training and experience requirements for electrical testing technicians and provides criteria for documenting qualifications and certification. Details the requirements for an independent and impartial certification system to certify electrical testing technicians.

Single copy price: \$495.00

Obtain an electronic copy from: ldanzy@netaworld.org

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

#### **NFPA (National Fire Protection Association)**

One Batterymarch Park, Quincy, MA 02169 | dbellis@nfpa.org, www.nfpa.org

#### Revision

BSR/NFPA 1006-202x, Standard for Technical Rescue Personnel Professional Qualifications (revision of ANSI/NFPA 1006-2021)

This standard establishes the minimum job performance requirements (JPRs) necessary for fire service and other emergency response personnel who perform technical rescue operations.

Obtain an electronic copy from: www.nfpa.org/1006next

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

#### **NFPA (National Fire Protection Association)**

One Batterymarch Park, Quincy, MA 02169 | dbellis@nfpa.org, www.nfpa.org

#### Revision

BSR/NFPA 1142-202x, Standard on Water Supplies for Suburban and Rural Firefighting (revision of ANSI/NFPA 1142-2022)

This standard identifies a method of determining the minimum requirements for alternative water supplies for structural firefighting purposes in areas where the authority having jurisdiction (AHJ) determines that adequate and reliable water supply systems for firefighting purposes do not otherwise exist. An adequate and reliable municipal-type water supply is one that is sufficient every day of the year to control and extinguish anticipated fires in the jurisdiction, particular building, or building group served by the water supply.

Obtain an electronic copy from: www.nfpa.org/1142next

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

#### **NFPA (National Fire Protection Association)**

One Batterymarch Park, Quincy, MA 02169 | dbellis@nfpa.org, www.nfpa.org

#### Revision

BSR/NFPA 1145-202x, Guide for the Use of Class A Foams in Fire Fighting (revision of ANSI/NFPA 1145-2022) This standard presents information for agencies planning to use Class A foam for fire fighting and protection. It presents information on foam properties and characteristics, proportioning and discharge hardware, application techniques, and safety considerations. Additionally, this standard describes the use and application of Class A foams that meet the requirements of NFPA 1150. The standard does not apply to the use of Class A foam in sprinkler systems or on fires involving Class B flammable or combustible liquids. Annex B includes publications that address tactical use of Class A foam.

Obtain an electronic copy from: www.nfpa.org/1145next Send comments (copy psa@ansi.org) to: Same

#### **NFPA (National Fire Protection Association)**

One Batterymarch Park, Quincy, MA 02169 | dbellis@nfpa.org, www.nfpa.org

#### Revision

BSR/NFPA 1225-202x, Standard for Emergency Services Communications (revision of ANSI/NFPA 1225-2022) This standard identifies the minimum job performance requirements (JPRs) for Public Safety Telecommunications Personnel, and provides minimum requirements for the installation, maintenance, and use of emergency services communications systems.

Obtain an electronic copy from: www.nfpa.org/1225next Send comments (copy psa@ansi.org) to: Same

#### NFPA (National Fire Protection Association)

One Batterymarch Park, Quincy, MA 02169 | dbellis@nfpa.org, www.nfpa.org

#### Revision

BSR/NFPA 2500-202x, Standard for Operations and Training for Technical Search and Rescue Incidents and Life Safety Rope and Equipment for Emergency Services (revision of ANSI/NFPA 2500-2022)

This standard provides minimum requirements for conducting operations at technical search and rescue incidents, for the design, performance, testing, and certification of life safety rope and equipment for emergency services, and for the selection, care, and maintenance of rope and associated equipment for emergency services personnel.

Obtain an electronic copy from: www.nfpa.org/2500next Send comments (copy psa@ansi.org) to: Same

#### **NSF (NSF International)**

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

#### Revision

BSR/NSF/CAN 61-202x (i182r2), Drinking Water System Components - Health Effects (revision of ANSI/NSF/CAN 61-2024)

This standard is intended to cover specific materials or products that come into contact with: drinking water, drinking water treatment chemicals, or both. The focus of the standard is evaluation of contaminants or impurities imparted indirectly to drinking water.

Single copy price: Free

Obtain an electronic copy from: https://standards.nsf.org/higherlogic/ws/public/download/79728/61i182r2% 20-%20Clean%20Up%20-%20JC%20memo%20%26%20ballot.pdf

Send comments (copy psa@ansi.org) to: Amy Jump <ajump@nsf.org>

#### ULSE (UL Standards and Engagement)

12 Laboratory Drive , Research Triangle Park, NC 27709 | Adam.Payrot@ul.org, https://ulse.org/

#### Reaffirmation

BSR/UL 183-2016 (R202x), Standard for Safety for Manufactured Wiring Systems (reaffirmation of ANSI/UL 183 -2016 (R2020))

Reaffirmation and continuance of the 4th Edition of the Standard for Manufactured Wiring Systems, UL 183, as an American National Standard.

Single copy price: Free

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#### **ULSE (UL Standards and Engagement)**

12 Laboratory Dr, Research Triangle, NC 27709 | anastasia.letaw@ul.org, https://ulse.org/

#### Reaffirmation

BSR/UL 1012-2012 (R202x), Standard for Safety for Power Units Other Than Class 2 (reaffirmation of ANSI/UL 1012-2012 (R2021))

Reaffirmation and continuance of the Eighth Edition of the Standard for Safety for Power Units Other Than Class 2, UL 1012, as an American National Standard.

Single copy price: Free

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#### **ULSE (UL Standards and Engagement)**

12 Laboratory Drive , Research Triangle Park, NC 27709 | Adam.Payrot@ul.org, https://ulse.org/

#### Reaffirmation

BSR/UL 62091-2020 (R202x), Standard for Safety for Low-Voltage Switchgear and Controlgear - Controllers for Drivers of Stationary Fire Pumps (reaffirm a national adoption ANSI/UL 62091-2020)

Reaffirmation and continuance of the 1st Edition of the Standard for Low-Voltage Switchgear and Controlgear - Controllers for Drivers of Stationary Fire Pumps, UL 62091, as an American National Standard.

Single copy price: Free

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#### Reaffirmation

BSR/UL 121201-2021 (R202x), Standard for Safety for Nonincendive Electrical Equipment for Use in Class I and II, Division 2 and Class III, Divisions 1 and 2 Hazardous (Classified) Locations (reaffirmation of ANSI/UL 121201 -2021)

Reaffirmation and continuance of the Ninth Edition of the Standard for Safety for Nonincendive Electrical Equipment for Use in Class I and II, Division 2 and Class III, Divisions 1 and 2 Hazardous (Classified) Locations, UL 121201, as an American National Standard.

Single copy price: Free

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#### **ULSE (UL Standards and Engagement)**

1603 Orrington Ave, Evanston, IL 60210 | alan.t.mcgrath@ul.org, https://ulse.org/

#### Revision

BSR/UL 428A-202X, Electrically Operated Valves for Gasoline and Gasoline/Ethanol Blends with Nominal Ethanol Concentrations Up to 85 Percent (EO - E85) (revision of ANSI/UL 428A-2022)

The proposal will provide for an exception to the Long-Term Exposure Test, Section 6, if the static seal materials have been shown to comply with the applicable requirements for static seals in the Standard for Gaskets and Seals, UL 157.

Single copy price: Free

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#### **ULSE (UL Standards and Engagement)**

1603 Orrington Ave, Evanston, IL 60210 | alan.t.mcgrath@ul.org, https://ulse.org/

#### Revision

BSR/UL 428B-202X, Electrically Operated Valves for Diesel Fuel, Biodiesel Fuel, Diesel/Biodiesel Blends with Nominal Biodiesel Concentrations Up To 20 Percent (B20), Kerosene, and Fuel Oil (revision of ANSI/UL 428B -2022)

The proposal will provide for an exception to the Long-Term Exposure Test, Section 6, if the static seal materials have been shown to comply with the applicable requirements for static seals in the Standard for Gaskets and Seals, UL 157.

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#### **API (American Petroleum Institute)**

200 Massachusetts Ave, NW, Suite 11103, Washington, DC , DC 20001 | montebellon@api.org, www.api.org

#### Reaffirmation

BSR/API STANDARD 2350-2020 (R202x), Overfill Prevention of Storage Tanks in Petroleum Facilities (reaffirmation of ANSI/API STANDARD 2350-2020)

This document applies to atmospheric storage tanks associated with refining, marketing, pipeline, and terminals that contain NFPA Class I or Class II liquids. The purpose of this standard is to assist owner/operators and operating personnel in the prevention of tank overfilling by implementation of a comprehensive overfill prevention system (OPS). The goal is to receive product into the intended storage tank without overfilling or mechanical damage.

Single copy price: \$154.00 Order from: publications@api.org

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

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

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

#### Reaffirmation

BSR/ASME B18.8.1-2014 (R202x), Clevis Pins and Cotter Pins (Inch Series) (reaffirmation of ANSI/ASME B18.8.1 -2014)

This Standard covers the complete dimensional and general data for clevis pins sizes 3/16 in. through 2 in. and cotter (split) pins sizes 1/32 in. through 3/4 in. of various materials Single copy price: \$39.00 Order from: https://cstools.asme.org/csconnect/PublicReviewPage.cfm Send comments (copy psa@ansi.org) to: Lydia Stanford

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

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#### Reaffirmation

BSR/ASME B18.9-2012 (R202x), Plow Bolts (reaffirmation of ANSI/ASME B18.9-2012) This Standard covers general and dimensional data for inch-series plow bolts. Single copy price: \$39.00 Order from: https://cstools.asme.org/csconnect/PublicReviewPage.cfm Send comments (copy psa@ansi.org) to: Lydia Stanford

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

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#### Reaffirmation

BSR/ASME B18.12-2020 (R202x), Glossary of Terms for Mechanical Fasteners (reaffirmation of ANSI/ASME B18.12-2020)

This Standard is a summary of nomenclature and terminology currently used to define and/or describe mechanical fasteners, related characteristics, and the manufacturing processes that produce these products. Utilization of these terms by manufacturers and consumers is intended to reduce or eliminate confusion and serve as a sound basis for communication

Single copy price: \$90.00

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

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#### Reaffirmation

BSR/ASME B18.31.3-2014 (R202x), Threaded Rods (Inch Series) (reaffirmation of ANSI/ASME B18.31.3-2014) This Standard covers the general and dimensional data for inch-series threaded rods. Single copy price: \$32.00 Order from: https://cstools.asme.org/csconnect/PublicReviewPage.cfm Send comments (copy psa@ansi.org) to: Lydia Stanford

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

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#### Reaffirmation

BSR/ASME PTC 6.2-2011 (R202x), Steam Turbines in Combined Cycle (reaffirmation of ANSI/ASME PTC 6.2 -2011 (R2016))

This Code provides procedures for the accurate testing of steam turbines in combined cycles. It is the intent of this Code that accurate instrumentation and measurement techniques be used to determine performance. In planning and running the test, the Code user must strive to follow the procedures in this Code to meet the uncertainty requirements. This Code may be used for testing steam turbines in combined cycles with or without supplementary firing and in cogeneration applications.

Single copy price: \$145.00

Order from: https://cstools.asme.org/csconnect/PublicReviewPage.cfm

Send comments (copy psa@ansi.org) to: Donnie Alonzo <alonzod@asme.org>

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

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#### Reaffirmation

BSR/ASME PTC 19.3-2024 (R202x), Thermowells (reaffirmation of ANSI/ASME PTC 19.3-2024)

The object of this Standard is to establish a mechanical design standard for reliable service of tapered, straight, and stepped-shank thermowells in a broad range of applications. This includes an evaluation of the forces caused by external pressure, and the combination of static and dynamic forces resulting from fluid impingement. Single copy price: \$93.00

Order from: https://cstools.asme.org/csconnect/PublicReviewPage.cfm

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

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#### Stabilized Maintenance

BSR/ASME B18.13.1M-2011 (S202x), Screw and Washer Assemblies - Sems (Metric Series) (stabilized maintenance of ANSI/ASME B18.13.1M-2011 (R2022))

This Standard covers the general, dimensional, material, and mechanical requirements for metric through hardened (property classes 8.8, 9.8, and 10.9) machine screws and case-hardened tapping screws from 5 mm to 12 mm captivated washer assemblies (SEMS). The covered washer types are helical, plain, conical, and toothed. Single copy price: \$48.00

Order from: https://cstools.asme.org/csconnect/PublicReviewPage.cfm

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

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

#### Stabilized Maintenance

BSR/ASME B18.21.3-2008 (S202x), Double Coil Helical Spring Lock Washers for Wood Structures (stabilized maintenance of ANSI/ASME B18.21.3-2008 (R2023))

This Standard covers the dimensional and physical properties and methods of testing for double-coil helical spring lock washers for wood structures.

Single copy price: \$36.00

Order from: https://cstools.asme.org/csconnect/PublicReviewPage.cfm Send comments (copy psa@ansi.org) to: Lydia Stanford

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

8501 East Pleasant Valley Road, Cleveland, OH 44131-5575 | ansi.contact@csagroup.org, www.csagroup.org

#### National Adoption

BSR/CSA FC 622822-2-100/CSA C22.2 No. 62282-2-100-202x, Fuel Cell Technologies - Part 2-100: Fuel cell stacks and fuel cell modules - Safety (national adoption of IEC 62282-2-100 with modifications and revision of CSA/ANSI FC 6-2019)

This document provides safety-related requirements for construction, operation under normal and abnormal conditions, and the testing of fuel cell stacks and fuel cell modules. It applies to fuel cell stacks and fuel cell modules with the following electrolyte chemistry: alkaline, polymer electrolyte, acidic, molten carbonate; solid oxide; aqueous solution of salts. Fuel cell stacks and fuel cell modules can be provided with or without an enclosure and can be operated at significant pressurization levels or close to ambient pressure. This document does not cover fuel-cell road vehicle applications. The final products or systems that integrate these fuel cell stacks or fuel cell modules will require evaluation according to appropriate end-product safety requirements. This document covers only up to the DC output of the fuel cell module. This document does not cover the storage and delivery of fuel and oxidant to the fuel cell module. This document does not cover fuel cell power systems for industrial trucks that are in the scope of UL 2267. This standard covers the above-noted products that are intended to be installed or used in accordance with: CSA C22.1 or NFPA 70.

Single copy price: Free

Order from: ansi.contact@csagroup.org

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

#### **ULSE (UL Standards and Engagement)**

12 Laboratory Drive, Research Triangle Park, NC 27709-3995 | Vickie.T.Hinton@ul.org, https://ulse.org/

#### National Adoption

BSR/UL 60079-11-202x, Standard for Safety for Explosive Atmospheres - Part 11: Equipment Protection by Intrinsic Safety i (national adoption of IEC 60079-11 with modifications and revision of ANSI/UL 60079-11-2018 (R2023))

(1) Adoption of IEC 60079-11, Explosive Atmospheres - Part 11: Equipment Protection by Intrinsic Safety "i", (seventh edition, issued by IEC January 2023) and Corrigendum 1 issued by IEC June 2023) as a new IEC-based harmonized standard, UL 60079-11 and CSA C22.2 No. 60079-11 with National Differences.

Single copy price: Free

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#### **ULSE (UL Standards and Engagement)**

1603 Orrington Ave, Suite 20000, Evanston, IL 60201 | Susan.P.Malohn@ul.org, https://ulse.org/

#### Revision

BSR/UL 3741-202x, Standard for Safety for Photovoltaic Hazard Control (revision of ANSI/UL 3741-2020) (1) Addition of new glossary definitions; (2) Revisions to clarify and correct various requirements to reflect current practice.

Single copy price: Free

Order from: https://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.org/ProposalAvailable

### **Technical Reports Registered with ANSI**

Withdrawal of a Technical Report that is registered with ANSI is determined by the responsible ANSI-Accredited Standards Developer. The following Technical Reports are hereby withdrawn in accordance with the Developers own procedures.

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

700 K Street NW, Suite 600, Washington, DC 20001 | INCITS-comments@connectedcommunity.org, www.incits.org

INCITS/ISO/IEC TR 9573-11:2004 [R2020], Information processing - SGML support facilities - Part 11: Structure descriptions and style specifications for standards document interchange, a Technical Report prepared by INCITS and registered with ANSI (withdraw technical report)

Defines the document structures and style specifications for standards document interchange (in particular, ISO standards). Element types and attributes for ISO standards are defined and two profiles (a database-oriented profile and a document-oriented profile) are provided.

Send comments (copy psa@ansi.org) to: Lynn Barra; comments@standards.incits.org

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

700 K Street NW, Suite 600, Washington, DC 20001 | INCITS-comments@connectedcommunity.org, www.incits.org

INCITS/ISO/IEC TR 9573-13:1991 [R2020], Information technology – SGML support facilities – Techniques for using SGML – Part 13: Public entity sets for mathematics and science, a Technical Report prepared by INCITS and registered with ANSI (withdraw technical report)

This Technical Specification specifies requirements for a coding structure for describing adverse events related to medical devices. This code is intended for use by medical device users, manufacturers, and regulatory authorities.

Send comments (copy psa@ansi.org) to: Lynn Barra; comments@standards.incits.org

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

700 K Street NW, Suite 600, Washington, DC 20001 | INCITS-comments@connectedcommunity.org, www.incits.org

INCITS/ISO/IEC TR 11581-1:2000 [R2020], Information Technology - User System Interfaces and Symbols - Icon Symbols and Functions - Part 1: Icons - General, a Technical Report prepared by INCITS and registered with ANSI (withdraw technical report)

This TR introduces the ISO/IEC 11581 series and provides developers and other icon standards users with an overview of currently available and future anticipated icon standards. ISO/IEC TR 11581-1:2011

- describes the structure of parts that will be used to encompass all present and future icon standards;

- introduces currently existing icon standards, whether they are parts of ISO/IEC 11581 or they have their own separate numbers.

Send comments (copy psa@ansi.org) to: Lynn Barra; comments@standards.incits.org

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

700 K Street NW, Suite 600, Washington, DC 20001 | INCITS-comments@connectedcommunity.org, www.incits.org

INCITS/ISO/IEC TS 11581-41:2014 [R2020], Information technology - User interface icons - Part 41: Data structure to be used by the ISO/IEC JTC 1/SC 35 icon database, a Technical Specification prepared by INCITS and registered with ANSI (withdraw technical report)

Provides guidance for developers and designers creating and/or using icons and provides a basis for the standardization of icons. It also provides a framework for creating future International Standards dealing with icons as parts of the ISO/IEC 11581 series and for identifying icon-related information to be used in any accompanying icon registries. It is intended to be used with ISO/IEC 11581-40 to create a registry of icons. Send comments (copy psa@ansi.org) to: Lynn Barra; comments@standards.incits.org

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

700 K Street NW, Suite 600, Washington, DC 20001 | INCITS-comments@connectedcommunity.org, www.incits.org

INCITS/ISO/IEC TR 13066-3:2012 [R2020], Information technology - Interoperability with assistive technology (AT) - Part 3: IAccessible2 accessibility application programming interface (API), a Technical Report prepared by INCITS and registered with ANSI (withdraw technical report)

Provides an overview to the structure and terminology of the IAccessible2 accessibility API. It provides: a description of the overall architecture and terminology of the API; further introductory explanations regarding the content and use of the API beyond those found in Annex A of ISO/IEC 13066-1; an overview of the main properties, including: of user interface elements, of how to get and set focus, of communication mechanisms in the API; a discussion of design considerations for the API (e.g., pointers to external sources of information on accessibility guidance related to using the API); information on extending the API (and where this is appropriate); an introduction to the programming interface of the API (including pointers to external sources of information). It provides this information as an introduction to the IAccessible2 API to assist: IT system level developers who create custom controls and/or interface to them; AT developers involved in programming "hardware-to-software" and "software-to-software" interactions.

Send comments (copy psa@ansi.org) to: Lynn Barra; comments@standards.incits.org

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700 K Street NW, Suite 600, Washington, DC 20001 | INCITS-comments@connectedcommunity.org, www.incits.org

INCITS/ISO/IEC TR 22250-1:2002 [R2020], Information technology - Document description and processing languages - Regular Language Description for XML (RELAX) - Part 1: RELAX Core, a Technical Report prepared by INCITS and registered with ANSI (withdraw technical report)

This Technical Report gives mechanisms for formally specifying the syntax of XML-based languages. For example, the syntax of XHTML 1.0 can be specified in RELAX. Compared with DTDs, RELAX provides the following advantages: Specification in RELAX uses XML instance (i.e., document) syntax, RELAX provides rich datatypes, and RELAX is namespace-aware.

Send comments (copy psa@ansi.org) to: Lynn Barra; comments@standards.incits.org

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

700 K Street NW, Suite 600, Washington, DC 20001 | INCITS-comments@connectedcommunity.org, www.incits.org

INCITS/ISO/IEC TR 9573:1988 [R2020], Information processing - SGML support facilities - Techniques for using SGML, a Technical Report prepared by INCITS and registered with ANSI (withdraw technical report) This Technical Report complements ISO 8879 by providing additional tutorial information. It is not intended, and should not be regarded, as an extension, modification, or interpretation of ISO 8879. The SGML language contains a number of components, some of which are optional features. The tutorial information covers the main components of the language only; notably a discussion of LINK, CONCUR, and DATATAG is outside the scope of this Technical Report.

Send comments (copy psa@ansi.org) to: Deborah Spittle, (202) 737-8888, comments@standards.incits.org

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

700 K Street NW, Suite 600, Washington, DC 20001 | INCITS-comments@connectedcommunity.org, www.incits.org

INCITS/ISO/IEC TR 11580:2007 [R2020], Information technology - User Interfaces - Model for describing user interface objects, actions, and attributes, a Technical Report prepared by INCITS and registered with ANSI (withdraw technical report)

Defines a format for describing user interface objects, actions and attributes. It provides a basis for standardizing the names and properties of user interface objects, actions and attributes across multiple applications and platforms. Contains guidance both on the standardization of user interface objects, actions and attributes and on the implementation of these objects, actions and attributes in any or all modalities. It is primarily intended for developers of standards, style guides and architectures involving user interface objects, actions and attributes. Also provides software developers with a range of functionalities to be considered in the design of objects, actions and attributes.

Send comments (copy psa@ansi.org) to: Lynn Barra; comments@standards.incits.org

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

700 K Street NW, Suite 600, Washington, DC 20001 | INCITS-comments@connectedcommunity.org, www.incits.org

INCITS/ISO/IEC TR 15285:1998 [R2020], Information technology - An operational model for characters and glyphs, a Technical Report prepared by INCITS and registered with ANSI (withdraw technical report) The purpose of this Technical Report is to provide a general framework for discussing characters and glyphs. The framework is applicable to a variety of coded character sets and glyph-identification schemes. For illustration, this Technical Report uses examples from characters coded in ISO/IEC 10646 and glyphs registered according to ISO/IEC 10036.

Send comments (copy psa@ansi.org) to: Deborah Spittle, (202) 737-8888, comments@standards.incits.org

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

700 K Street NW, Suite 600, Washington, DC 20001 | INCITS-comments@connectedcommunity.org, www.incits.org

INCITS/ISO/IEC TR 15413:2001 [R2020], Information Technology - Font Services - Part 1: Abstract Service definition, a Technical Report prepared by INCITS and registered with ANSI (withdraw technical report) This Technical Report provides the access facilities which can be used for creation, distribution, management, and use of font resources conforming to the architecture of ISO/IEC 9541. This Technical Report is intended to be used in a variety of configurations meeting a variety of connectivity needs, including communication protocols, application programming interfaces, and application services. This Technical Report defines an abstract interface to the font access facilities.

Send comments (copy psa@ansi.org) to: Lynn Barra; comments@standards.incits.org

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

700 K Street NW, Suite 600, Washington, DC 20001 | INCITS-comments@connectedcommunity.org, www.incits.org

INCITS/ISO/IEC TR 19758:2003 [R2020], Information technology - Document description and processing languages - DSSSL Library for complex compositions, a Technical Report prepared by INCITS and registered with ANSI (withdraw technical report)

Provides a DSSSL (ISO/IEC 10179:1996) library that makes it feasible to describe DSSSL specification for documents described by SGML (ISO 8879:1986) or XML (Extensible Markup Language). Send comments (copy psa@ansi.org) to: Lynn Barra; comments@standards.incits.org

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700 K Street NW, Suite 600, Washington, DC 20001 | INCITS-comments@connectedcommunity.org, www.incits.org

INCITS/ISO/IEC TR 19765:2007 [R2020], Information technology - Survey of icons and symbols that provide access to functions and facilities to improve the use of IT products by elderly and persons with disabilities, a Technical Report prepared by INCITS and registered with ANSI (withdraw technical report) Different users of information technology products possess different sets of abilities. Some abilities may not ever be present in a user as they may have been born without them. Some abilities are acquired, developed or deteriorate over time due to education, maturity, injury, illness, or age. Send comments (copy psa@ansi.org) to: Lynn Barra; comments@standards.incits.org

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

700 K Street NW, Suite 600, Washington, DC 20001 | INCITS-comments@connectedcommunity.org, www.incits.org

INCITS/ISO/IEC TR 24741:2018 [2020], Information Technology - Biometrics - Overview And Application, a Technical Report prepared by INCITS and registered with ANSI (withdraw technical report) Describes the history of biometrics and what biometrics does, the various biometric technologies in general use today (for example, fingerprint recognition and face recognition) and the architecture of the systems and the system processes that allow automated recognition using those technologies. It also provides information about the application of biometrics in various business domains such as border management, law enforcement and driver licensing, the societal and jurisdiction considerations that are typically taken into account in biometric systems, and the international standards that underpin their use.

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

700 K Street NW, Suite 600, Washington, DC 20001 | INCITS-comments@connectedcommunity.org, www.incits.org

INCITS/ISO/IEC TR 19758:2003/AM 1:2005 [R2020], Information technology - Document description and processing languages - DSSSL library for complex compositions - Amendment 1: Extensions to basic composition, a Technical Report prepared by INCITS and registered with ANSI (withdraw technical report) Amendment 1: Extensions to Basic Composition Styles and Tables Send comments (copy psa@ansi.org) to: Lynn Barra; comments@standards.incits.org

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700 K Street NW, Suite 600, Washington, DC 20001 | INCITS-comments@connectedcommunity.org, www.incits.org

INCITS/ISO/IEC TR 19758:2003/AM 2:2005 [R2020], Information technology - Document description and processing languages - DSSSL library for complex compositions - Amendment 2: Extensions to multilingual compositions (South-East Asian compositions), a Technical Report prepared by INCITS and registered with ANSI (withdraw technical report)

Amendment 2: Extensions to Multilingual Compositions (South-East Asian Compositions) Send comments (copy psa@ansi.org) to: Lynn Barra; comments@standards.incits.org

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700 K Street NW, Suite 600, Washington, DC 20001 | INCITS-comments@connectedcommunity.org, www.incits.org

INCITS/ISO/IEC TR 19758:2003/AM 3:2005 [R2020], Information technology - Document description and processing languages - DSSSL library for complex compositions - Amendment 3: Extensions to Multilingual Compositions (North and South Asian Compositions), a Technical Report prepared by INCITS and registered with ANSI (withdraw technical report)

Amendment 3: Extensions to Multilingual Compositions (North and South Asian Compositions) Send comments (copy psa@ansi.org) to: Lynn Barra; comments@standards.incits.org

Technical Reports Registered with ANSI are not consensus documents. Rather, all material contained in Technical Reports Registered with ANSI is informational in nature. Technical reports may include, for example, reports of technical research, tutorials, factual data obtained from a survey carried out among standards developers and/or national bodies, or information on the "state of the art" in relation to standards of national or international bodies on a particular subject. Immediately following the end of a 30-day announcement period in Standards Action, the Technical Report will be registered by ANSI. Please submit any comments regarding this registration to the organization indicated, with a copy to (psa@ansi.org).

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

700 K Street NW, Suite 600, Washington, DC 20001 | kquigley@itic.org, www.incits.org

#### Reaffirmation

INCITS/ISO TS 19130-2:2014 [R2025], Geographic information -- Imagery sensor models for geopositioning --Part 2: SAR, InSAR, lidar and sonar, a Technical Specification prepared by INCITS and registered with ANSI (reaffirmation of technical report)

Supports exploitation of remotely sensed images. It specifies the sensor models and metadata for geopositioning images remotely sensed by Synthetic Aperture Radar (SAR), Interferometric Synthetic Aperture Radar (InSAR), LIght Detection And Ranging (lidar), and SOund Navigation And Ranging (sonar) sensors. The specification also defines the metadata needed for the aerial triangulation of airborne and spaceborne images. Send comments (copy psa@ansi.org) to: Kim Quigley <kquigley@itic.org>

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

700 K Street NW, Suite 600, Washington, DC 20001 | kquigley@itic.org, www.incits.org

#### Reaffirmation

INCITS/ISO TS 19159-1:2014 [R2025], Geographic information -- Calibration and validation of remote sensing imagery sensors and data -- Part 1: Optical sensors, a Technical Report prepared by INCITS and registered with ANSI (reaffirmation of technical report)

Defines the calibration and validation of airborne and spaceborne remote sensing imagery sensors. The term "calibration" refers to geometry, radiometry, and spectral, and includes the instrument calibration in a laboratory as well as in situ calibration methods. The validation methods address validation of the calibration information. Send comments (copy psa@ansi.org) to: Kim Quigley <kquigley@itic.org>

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700 K Street NW, Suite 600, Washington, DC 20001 | kquigley@itic.org, www.incits.org

#### Reaffirmation

INCITS/ISO TR 9007:1987 [R2025], Information processing systems - Concepts and terminology for the conceptual schema and the information base, a Technical Report prepared by INCITS and registered with ANSI (reaffirmation of technical report)

This Technical Report type 3 contains the fundamental concepts and terminology for the conceptual schema, the information base, and the mechanisms involved in manipulating them. The approaches and associated languages described in the appendices A through H are intended to be explanatory only. Send comments (copy psa@ansi.org) to: Kim Quigley <kquigley@itic.org>

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700 K Street NW, Suite 600, Washington, DC 20001 | kquigley@itic.org, www.incits.org

#### Reaffirmation

INCITS/ISO/IEC TR 14165-372:2011 [R2025], Information technology - Fibre Channel - Part 372: Methodologies of interconnects-2 (FC-MI-2), a Technical Report prepared by INCITS and registered with ANSI (reaffirmation of technical report)

Intended to document interoperability behaviour for Fabric elements (i.e., EPort, FPort, FL\_Port). It includes a wide range of issues such as link initialization, error detection, error recovery, fabric operation, management capabilities, and zoning. It serves as an implementation guide, whose primary objective is to maximize the likelihood of interoperability between conforming implementations. It specifies common methodologies for both Arbitrated Loop and Switched environments. The goal of this technical report is to facilitate interoperability between devices whether they are connected in a loop or Fabric topology. Send comments (copy psa@ansi.org) to: Kim Quigley <kquigley@itic.org>

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700 K Street NW, Suite 600, Washington, DC 20001 | kquigley@itic.org, www.incits.org

#### Reaffirmation

INCITS/ISO/IEC TR 14496-9:2009 [R2025], Information technology -- Coding of audio-visual objects -- Part 9: Reference hardware description, a Technical Report prepared by INCITS and registered with ANSI (reaffirmation of technical report)

Specifies descriptions of the main video coding tools in hardware description language (HDL) form. Such alternative descriptions to the ones that are reported in ISO/IEC 14496-2, ISO/IEC 14496-5 and ISO/IEC TR 14496-7 correspond to the need of providing the public with conformant standard descriptions that are closer to the starting point of the development of codec implementations than textual descriptions or pure software descriptions. ISO/IEC TR 14496-9:2009 contains conformant descriptions of video tools that have been validated within the recommendation ISO/IEC TR 14496-7.

Send comments (copy psa@ansi.org) to: Kim Quigley <kquigley@itic.org>

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700 K Street NW, Suite 600, Washington, DC 20001 | kquigley@itic.org, www.incits.org

#### Reaffirmation

INCITS/ISO/IEC TR 15443-1:2012 [R2025], Information technology - Security techniques - Security assurance framework - Part 1: Introduction and concepts, a Technical Report prepared by INCITS and registered with ANSI (reaffirmation of technical report)

Defines terms and establishes an extensive and organised set of concepts and their relationships for understanding IT security assurance, thereby establishing a basis for shared understanding of the concepts and principles central to ISO/IEC TR 15443 across its user communities. It provides information fundamental to users of ISO/IEC TR 15443-2.

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700 K Street NW, Suite 600, Washington, DC 20001 | kquigley@itic.org, www.incits.org

#### Reaffirmation

INCITS/ISO/IEC TR 15443-2:2012 [R2025], Information technology - Security techniques - Security assurance framework - Part 2: Analysis, a Technical Report prepared by INCITS and registered with ANSI (reaffirmation of technical report)

ISO/IEC TR 15443-2:2012 builds on the concepts presented in ISO/IEC TR 15443-1. It provides a discussion of the attributes of security assurance conformity assessment methods that contribute towards making assurance claims and providing assurance evidence to fulfill meeting the assurance requirements for a deliverable. Send comments (copy psa@ansi.org) to: Kim Quigley <kquigley@itic.org>

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700 K Street NW, Suite 600, Washington, DC 20001 | kquigley@itic.org, www.incits.org

#### Reaffirmation

INCITS/ISO/IEC TR 15944-6:2015 [R2025], Information Technology - Business Operational View - Part 6: Technical Introduction To E-Business Modelling, a Technical Report prepared by INCITS and registered with ANSI (reaffirmation of technical report)

Discusses and describes the following three topics of eBusiness modelling: fundamentals of business transaction modelling that describe the conceptual aspects of eBusiness; principles of eBusiness modelling that specify the semantic aspect of business transactions and their components and relationships involved in the business transaction; classification scheme of Open-edi scenarios based on eBusiness modelling. Send comments (copy psa@ansi.org) to: Kim Quigley <kquigley@itic.org>

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700 K Street NW, Suite 600, Washington, DC 20001 | kquigley@itic.org, www.incits.org

#### Reaffirmation

INCITS/ISO/IEC TR 19795-3:2007 [R2025], Information technology - Biometric Performance Testing and Reporting - Part 3: Modality-Specific Testing, a Technical Report prepared by INCITS and registered with ANSI (reaffirmation of technical report)

In biometric performance testing and reporting, careful consideration needs to be given to the characteristic differences of each modality (fingerprint, face, iris, etc.). These differences naturally require variations within the general methodology defined in ISO/IEC 19795-1. ISO/IEC TR 19795-3:2007 describes the methodologies relating to these modality-dependent variations. It presents and defines methods for determining, given a specific biometric modality, how to develop a technical performance test.

Send comments (copy psa@ansi.org) to: Kim Quigley <kquigley@itic.org>

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700 K Street NW, Suite 600, Washington, DC 20001 | kquigley@itic.org, www.incits.org

#### Reaffirmation

INCITS/ISO/IEC TR 20943-1:2003 [R2025], Information technology - Procedures for achieving metadata registry (MDR) content consistency - Part 1: Data elements, a Technical Report prepared by INCITS and registered with ANSI (reaffirmation of technical report)

Reaffirmation of ISO/IEC TR 20943-1:2003 is limited to the associated items of a data element: the data element identifier, names, and definitions in particular contexts, and examples; data element concept; conceptual domain with its value meanings; and value domain with its permissible values. Send comments (copy psa@ansi.org) to: Kim Quigley <kquigley@itic.org>

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

700 K Street NW, Suite 600, Washington, DC 20001 | kquigley@itic.org, www.incits.org

#### Reaffirmation

INCITS/ISO/IEC TR 20943-3:2004 [R2025], Information technology - Procedures for achieving metadata registry content consistency - Part 3: Value domains, a Technical Report prepared by INCITS and registered with ANSI (reaffirmation of technical report)

Describes a set of procedures for the consistent registration of value domains and their attributes in a registry. This technical report is not a data-entry manual, but a user's guide for conceptualizing a value domain and its components for the purpose of consistently establishing good quality metadata. An organization may adapt and/or add to these procedures as necessary.

Send comments (copy psa@ansi.org) to: Kim Quigley <kquigley@itic.org>

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700 K Street NW, Suite 600, Washington, DC 20001 | kquigley@itic.org, www.incits.org

#### Reaffirmation

INCITS/ISO/IEC TR 29794-5:2010 [R2025], Information technology - Biometric Sample Quality - Part 5: Face image data, a Technical Report prepared by INCITS and registered with ANSI (reaffirmation of technical report) For aspects of quality specific to facial images, ISO/IEC TR 29794-5:2010: specifies terms and definitions that are useful in the specification, use and testing of face image quality metrics; defines the purpose, intent, and interpretation of face-image quality scores. Performance assessment of quality algorithms and standardization of quality algorithms are outside the scope of ISO/IEC TR 29794-5:2010.

Send comments (copy psa@ansi.org) to: Kim Quigley <kquigley@itic.org>

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700 K Street NW, Suite 600, Washington, DC 20001 | kquigley@itic.org, www.incits.org

#### Reaffirmation

INCITS/ISO/IEC TR 9575:1995 [R2025], Information technology - Telecommunications and information exchange between systems - OSI Routeing Framework, a Technical Report prepared by INCITS and registered with ANSI (reaffirmation of technical report)

Provides a framework in which OSI protocols for routeing may be developed and to expedite the progression of routeing protocols through the standardisation process. Reflects the current state of OSI routeing and does not preclude future extensions and developments.

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700 K Street NW, Suite 600, Washington, DC 20001 | kquigley@itic.org, www.incits.org

#### Reaffirmation

INCITS/ISO/IEC TR 9789:1994 [R2025], Information technology - Guidelines for the organization and representation of data elements for data interchange - Coding methods and principles, a Technical Report prepared by INCITS and registered with ANSI (reaffirmation of technical report)

This Technical Report provides general guidance on the manner on which data can be expressed by codes. Describes the objectives of coding, the characteristics, advantages and disadvantages of different coding methods, the features of codes and gives guidelines for the design of codes. Examples of applications are ISO 9735:1988, ISO 8601:1988, ISO 3166:1993.

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700 K Street NW, Suite 600, Washington, DC 20001 | kquigley@itic.org, www.incits.org

#### Reaffirmation

INCITS/ISO/IEC TR 14516:2002 [R2025], Information technology - Security techniques - Guidelines on the use and management of Trusted Third Party services, a Technical Report prepared by INCITS and registered with ANSI (reaffirmation of technical report)

Associated with the provision and operation of a Trusted Third Party (TTP) are a number of security-related issues for which general guidance is necessary to assist business entities, developers and providers of systems and services, etc. This includes guidance on issues regarding the roles, positions, and relationships of TTPs and the entities using TTP services, the generic security requirements, who should provide what type of security, what the possible security solutions are, and the operational use and management of TTP service security. Send comments (copy psa@ansi.org) to: Kim Quigley <kquigley@itic.org>

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#### Reaffirmation

INCITS/ISO/IEC TR 15446:2017 [R2025], Information technology - Security techniques - Guidance for the production of protection profiles and security targets, a Technical Report prepared by INCITS and registered with ANSI (reaffirmation of technical report)

Provides guidance relating to the construction of Protection Profiles (PPs) and Security Targets (STs) that are intended to be compliant with the third edition of ISO/IEC 15408 (all parts). It is also applicable to PPs and STs compliant with Common Criteria Version 3.1 Revision 4[6], a technically identical standard published by the Common Criteria Management Board, a consortium of governmental organizations involved in IT security evaluation and certification.

Send comments (copy psa@ansi.org) to: Kim Quigley <kquigley@itic.org>

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700 K Street NW, Suite 600, Washington, DC 20001 | kquigley@itic.org, www.incits.org

#### Reaffirmation

INCITS/ISO/IEC TR 19791:2010 [R2025], Information technology - Security techniques - Security assessment of operational systems, a Technical Report prepared by INCITS and registered with ANSI (reaffirmation of technical report)

Provides guidance and criteria for the security evaluation of operational systems. It provides an extension to the scope of ISO/IEC 15408 by taking into account a number of critical aspects of operational systems not addressed in ISO/IEC 15408 evaluation. The principal extensions that are required address evaluation of the operational environment surrounding the target of evaluation, and the decomposition of complex operational systems into security domains that can be separately evaluated.

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700 K Street NW, Suite 600, Washington, DC 20001 | kquigley@itic.org, www.incits.org

#### Reaffirmation

INCITS/ISO/IEC TR 24722:2015 [R2025], Information Technology - Biometrics - Multimodal and Other Multibiometric Fusion, a Technical Report prepared by INCITS and registered with ANSI (reaffirmation of technical report)

Contains descriptions of and analyses of current practices on multimodal and other multibiometric fusion, including (as appropriate) references to more detailed descriptions. ISO/IEC TR 24722:2015 contains descriptions and explanations of high-level multibiometric concepts to aid in the explanation of multibiometric fusion approaches including multi-characteristic-type, multi-instance, multisensorial, multi-algorithmic, decision-level and score-level logic.

Send comments (copy psa@ansi.org) to: Kim Quigley <kquigley@itic.org>

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700 K Street NW, Suite 600, Washington, DC 20001 | kquigley@itic.org, www.incits.org

#### Reaffirmation

INCITS/ISO/IEC TR 29144:2014 [R2025], Information technology - Biometrics - The use of biometric technology in commercial Identity Management applications and processes, a Technical Report prepared by INCITS and registered with ANSI (reaffirmation of technical report)

This Technical Report will discuss concepts and considerations for the use of biometrics in a commercial Identity Management Solutions, items that need to be considered when integrating biometrics into commercial Identity Management Solutions, and implementation Issues when implementing biometrics into commercial Identity Management Solutions. This Technical Report will not define an architecture and framework for IDM, discuss any specification or assessment of government policy, discuss the business need for a biometric database or process, discuss the specific biometrics and which ones are to be used in particular systems, consider the legality and acceptability in particular jurisdictions and cultures, analyse the general structure of identifiers and the global identification of objects (e.g. object identifiers), and discuss technical specifications in relation to the use of trusted biometric hardware and software.

Send comments (copy psa@ansi.org) to: Kim Quigley <kquigley@itic.org>

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700 K Street NW, Suite 600, Washington, DC 20001 | kquigley@itic.org, www.incits.org

#### Reaffirmation

INCITS/ISO/IEC TR 29194:2015 [R2025], Information Technology - Biometrics - Guide on designing accessible and inclusive biometric systems, a Technical Report prepared by INCITS and registered with ANSI (reaffirmation of technical report)

Provides guidance for biometric system design and procurement to handle the range of accessibility and usability issues. This report will build upon the generic guidance in ISO/IEC/TR 24714-1, Information technology -

Biometrics, Jurisdictional and societal considerations for commercial applications - Part 1: General guidance. The biometric modalities addressed in this technical report include those described in the ISO/IEC 19794, (All parts), Information Technology - Biometric data interchange formats: Finger Face Iris Signature Vascular Hand-geometry Voice.

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

700 K Street NW, Suite 600, Washington, DC 20001 | kquigley@itic.org, www.incits.org

#### Reaffirmation

INCITS/ISO/IEC TR 29195:2015 [R2025], Traveller processes for biometric recognition in automated border control systems, a Technical Report prepared by INCITS and registered with ANSI (reaffirmation of technical report)

Provides recommended best practices and processes for automated border control systems using biometrics to verify an identity claim by a traveller that uses an ePassport or equivalent identity card as the basis for the claim. It indicates areas that organisations proposing to use biometric technologies will need to address during design, deployment, and operation. Much of the information is generic to all types of applications especially around signage; however, some information will be specific to the modality of biometric technology used and how that technology is physically implemented.

Send comments (copy psa@ansi.org) to: Kim Quigley <kquigley@itic.org>

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

700 K Street NW, Suite 600, Washington, DC 20001 | kquigley@itic.org, www.incits.org

#### Reaffirmation

INCITS/ISO/IEC TR 29198:2013 [R2025], Information technology – Biometrics – Characterization and measurement of difficulty for fingerprint databases for technology evaluation, a Technical Report prepared by INCITS and registered with ANSI (reaffirmation of technical report)

Provides guidance on estimating how challenging or stressing is an evaluation dataset for fingerprint recognition, based on relative sample quality, relative rotation, deformation, and overlap between impressions. In addition, this Technical Report establishes a method for construction of datasets of different levels of difficulty. This Technical Report defines the relative level of difficulty of a fingerprint dataset used in technology evaluation of fingerprint recognition algorithms. Level of difficulty is based on differences between reference and probe samples in the aforementioned factors.

Send comments (copy psa@ansi.org) to: Kim Quigley <kquigley@itic.org>

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

700 K Street NW, Suite 600, Washington, DC 20001 | kquigley@itic.org, www.incits.org

#### Reaffirmation

INCITS/ISO/IEC TR 30102:2012 [R2025], Information technology - Distributed Application Platforms and Services (DAPS) - General technical principles of Service Oriented Architecture, a Technical Report prepared by INCITS and registered with ANSI (reaffirmation of technical report)

ISO/IEC TR 30102:2012 describes the general technical principles underlying Service Oriented Architecture (SOA), including principles relating to functional design, performance, development, deployment and management. It provides a vocabulary containing definitions of terms relevant to SOA. It includes a domain-independent technical framework, addressing functional requirements and non-functional requirements. Send comments (copy psa@ansi.org) to: Kim Quigley <kquigley@itic.org>

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

700 K Street NW, Suite 600, Washington, DC 20001 | kquigley@itic.org, www.incits.org

#### Reaffirmation

INCITS/TR-31-2002 [R2025], Information Technology - Fibre Channel Avionics Environment (FC-AE), a Technical Report prepared by INCITS and registered with ANSI (reaffirmation of technical report)

Recommends the development of a specification for the use of Fibre Channel for use in the types of avionics applications Wherever possible this specification shall use the definitions contained in the Fibre Channel - Physical and Signaling Interface (FC-PH) and created by the other Fibre Channel projects. When necessary, this specification shall reference existing standards for the definition of the physical characteristics, e.g. packaging schemes, connectors, and the like.

Send comments (copy psa@ansi.org) to: Kim Quigley <kquigley@itic.org>

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

700 K Street NW, Suite 600, Washington, DC 20001 | kquigley@itic.org, www.incits.org

#### Reaffirmation

INCITS/TR-45-2009 [R2025], Information Technology - Biometric Performance Testing and Reporting - Part 7: Framework for Testing Methodologies for Specific Modalities, a Technical Report prepared by INCITS and registered with ANSI (reaffirmation of technical report)

Provides guidance for development of modality-specific biometric testing methodologies. Standard testing methodologies can be enhanced to account for modality-specific influencing factors, potentially improving the applicability of test results.

Send comments (copy psa@ansi.org) to: Kim Quigley <kquigley@itic.org>

### **Project Withdrawn**

#### ECIA (Electronic Components Industry Association)

13873 Park Center Road, Suite 315, Herndon, VA 20171 | Idonohoe@ecianow.org, www.ecianow.org

BSR/EIA 364-65C-202x, Mixed Flowing Gas Test Procedure for Electrical Connectors and Sockets (revision and redesignation of)

Send comments (copy psa@ansi.org) to: Laura Donohoe <ldonohoe@ecianow.org>

#### ECIA (Electronic Components Industry Association)

13873 Park Center Road, Suite 315, Herndon, VA 20171 | Idonohoe@ecianow.org, www.ecianow.org

BSR/EIA 364-83A-202x, Shell-to-Shell Conductivity Test Procedure for Electrical Connectors (revision and redesignation of ANSI/EIA 364-83A)

Send comments (copy psa@ansi.org) to: Laura Donohoe <Idonohoe@ecianow.org>

#### ECIA (Electronic Components Industry Association)

13873 Park Center Road, Suite 315, Herndon, VA 20171 | emikoski@ecianow.org; ldonohoe@ecianow.org, www.ecianow. org

BSR/EIA 364-65 (PN-4943)-199x, General Methods for Porosity Testing of Contact Finishes for Electrical Connectors and Sockets (revision of EIA 364-65)

Send comments (copy psa@ansi.org) to: Edward Mikoski <emikoski@ecianow.org; Idonohoe@ecianow.org>

### **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:

#### ECIA (Electronic Components Industry Association)

13873 Park Center Road, Suite 315, Herndon, VA 20171 | Idonohoe@ecianow.org, www.ecianow.org

BSR/EIA 364-100-1999 (R201x), Marking Permanence Test Procedure for Electrical Connectors and Sockets (reaffirmation of ANSI/EIA 364-100-1999 (R2006))

Send comments (copy psa@ansi.org) to: Edward Mikoski <emikoski@ecianow.org; Idonohoe@ecianow.org>

#### ECIA (Electronic Components Industry Association)

13873 Park Center Road, Suite 315, Herndon, VA 20171 | Idonohoe@ecianow.org, www.ecianow.org

BSR/EIA 364-105-A-2008 (R201x), Altitude - Low Temperature Test Procedure for Electrical Connectors and Sockets (reaffirmation of ANSI/EIA 364-105-A-2008)

Send comments (copy psa@ansi.org) to: Laura Donohoe <Idonohoe@ecianow.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.

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

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

ANSI/ASABE S644-JUN2025, Design of Electromagnetic Radiation Systems for Plants (new standard) Final Action Date: 6/2/2025 | *New Standard* 

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

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

ANSI/ASME POM 101-2013 (R2025), Performance Related Outage Inspections (reaffirmation of ANSI/ASME POM 101 -2013 (R2019)) Final Action Date: 6/5/2025 | *Reaffirmation* 

ANSI/ASME POM 102-2014 (R2025), Operating Walkdowns of Power Plants (reaffirmation of ANSI/ASME POM 102 -2014 (R202x)) Final Action Date: 6/5/2025 | *Reaffirmation* 

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

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

ANSI/ASTM E2846-2020 (R2025), Guide for Thermocouple Verification (reaffirmation of ANSI/ASTM E2846-2020) Final Action Date: 5/20/2025 | *Reaffirmation* 

ANSI/ASTM F1760-2016 (R2025), Specification for Coextruded Poly(Vinyl Chloride) (PVC) Non-Pressure Plastic Pipe Having Reprocessed-Recycled Content (reaffirmation of ANSI/ASTM F1760-2016 (R2020)) Final Action Date: 5/20/2025 | *Reaffirmation* 

ANSI/ASTM D2241-2025, Specification for Poly(Vinyl Chloride) (PVC) Pressure-Rated Pipe (SDR Series) (revision of ANSI/ASTM D2241-2024) Final Action Date: 5/20/2025 | *Revision* 

ANSI/ASTM D5926-2025, Specification for Poly(Vinyl Chloride) (PVC) Gaskets for Drain, Waste, and Vent (DWV), Sewer, Sanitary, and Storm Plumbing Systems (revision of ANSI/ASTM D5926-2015 (R2021)) Final Action Date: 5/20/2025 | *Revision* 

ANSI/ASTM D6299-2025, Practice for Applying Statistical Quality Assurance and Control Charting Techniques to Evaluate Analytical Measurement System Performance (revision of ANSI/ASTM D6299-2023A) Final Action Date: 5/20/2025 | *Revision* 

ANSI/ASTM D7372-2025, Guide for Analysis and Interpretation of Proficiency Test Program Results (revision of ANSI/ASTM D7372-2021) Final Action Date: 5/20/2025 | *Revision* 

ANSI/ASTM E220-2025, Test Method for Calibration of Thermocouples by Comparison Techniques (revision of ANSI/ASTM E220-2019) Final Action Date: 5/20/2025 | *Revision* 

ANSI/ASTM E329-2025, Specification for Agencies Engaged in Construction Inspection, Testing, or Special Inspection (revision of ANSI/ASTM E329-2023) Final Action Date: 6/1/2025 | *Revision* 

ANSI/ASTM E2181/E2181M-2025, Specification for Compacted Mineral-Insulated, Metal-Sheathed, Noble Metal Thermocouples and Thermocouple Cable (revision of ANSI/ASTM E2181/E2181M-2024) Final Action Date: 5/20/2025 | *Revision* 

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

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

ANSI/ASTM E2997-2025, Test Method for Analysis of Biodiesel Products by Gas Chromatography-Mass Spectrometry (revision of ANSI/ASTM E2997-2016) Final Action Date: 6/1/2025 | *Revision* 

ANSI/ASTM F905-2025, Practice for Qualification of Polyethylene Saddle-Fused Joints (revision of ANSI/ASTM F905 -2004 (R2022)) Final Action Date: 5/20/2025 | *Revision* 

ANSI/ASTM F1281-2025, Specification for Crosslinked Polyethylene/Aluminum/Crosslinked Polyethylene (PEX-AL-PEX) Pressure Pipe (revision of ANSI/ASTM F1281-2024) Final Action Date: 5/20/2025 | *Revision* 

ANSI/ASTM F1488-2025, Specification for Coextruded Composite Pipe (revision of ANSI/ASTM F1488-2024) Final Action Date: 5/20/2025 | *Revision* 

ANSI/ASTM F1973-2025, 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 -2021) Final Action Date: 5/20/2025 | *Revision* 

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

8501 East Pleasant Valley Road, Cleveland, OH 44131-5575 | ansi.contact@csagroup.org, www.csagroup.org

ANSI/CSA C22.2 No. 343-2025, Electric vehicle energy management systems (new standard) Final Action Date: 6/9/2025 | *New Standard* 

#### ECIA (Electronic Components Industry Association)

13873 Park Center Road, Suite 315, Herndon, VA 20171 | Idonohoe@ecianow.org, www.ecianow.org

ANSI/EIA 364-51B-2019 (R2025), Ice Resistance Test Procedure for Electrical Connectors (reaffirmation of ANSI/EIA 364-51B-2019) Final Action Date: 6/9/2025 | *Reaffirmation* 

ANSI/EIA 364-90A-2019 (R2025), Crosstalk Ratio Test Procedures for Electrical Connectors, Sockets, Cable Assemblies or Interconnect Systems (reaffirmation of ANSI/EIA 364-90A-2019) Final Action Date: 6/9/2025 | *Reaffirmation* 

ANSI/EIA 364-107A-2019 (R2025), Eye Pattern and Jitter Test Procedure for Electrical Connectors, Sockets, Cable Assemblies or Interconnection Systems (reaffirmation of ANSI/EIA 364-107A-2019) Final Action Date: 6/9/2025 | *Reaffirmation* 

ANSI/EIA 364-108A-2019 (R2025), Impedance, Reflection Coefficient, Return Loss, and VSWR Measured in the Time and Frequency Domain Test Procedure for Electrical Connectors, Cable Assemblies or Interconnection Systems (reaffirmation of ANSI/EIA 364-108A-2019) Final Action Date: 6/9/2025 | *Reaffirmation* 

#### IAPMO (ASSE Chapter) (ASSE International Chapter of IAPMO)

18927 Hickory Creek Drive, Suite 220, Mokena, IL 60448 | standards@iapmostandards.org, www.asse-plumbing.org

ANSI/ASSE 1008-2020 (R2025), Performance Requirements for Plumbing Aspects of Residential Food Waste Disposer Units (reaffirmation of ANSI/ASSE 1008-2020) Final Action Date: 6/9/2025 | *Reaffirmation* 

ANSI/ASSE 1020-2020 (R2025), Performance Requirements for Pressure Vacuum Breaker Assemblies (reaffirmation of ANSI/ASSE 1020-2020) Final Action Date: 6/9/2025 | *Reaffirmation* 

ANSI/ASSE 1023-2020 (R2025), Performance Requirements for Electrically Heated or Cooled Water Dispensers (reaffirmation of ANSI/ASSE 1023-2020) Final Action Date: 6/9/2025 | *Reaffirmation* 

ANSI/ASSE 1035-2020 (R2025), Performance Requirements for Laboratory Faucet Backflow Preventers (reaffirmation of ANSI/ASSE 1035-2020) Final Action Date: 6/9/2025 | *Reaffirmation* 

#### IAPMO (ASSE Chapter) (ASSE International Chapter of IAPMO)

18927 Hickory Creek Drive, Suite 220, Mokena, IL 60448 | standards@iapmostandards.org, www.asse-plumbing.org

ANSI/ASSE 1060-2017 (R2025), Performance Requirements for Outdoor Enclosures for Fluid Conveying Components (reaffirmation of ANSI/ASSE 1060-2017 (R2021)) Final Action Date: 6/9/2025 | *Reaffirmation* 

ANSI/ASSE 1069-2020 (R2025), Performance Requirements for Automatic Temperature Control Mixing Valves (reaffirmation of ANSI/ASSE 1069-2020) Final Action Date: 6/9/2025 | *Reaffirmation* 

ANSI/ASSE 1081-2014 (R2025), Performance Requirements for Backflow Preventers with Integral Pressure Reducing Boiler Feed Valve and Intermediate Atmospheric Vent Style for Domestic and Light Commercial Water Distribution Systems (reaffirmation of ANSI/ASSE 1081-2014 (R2020)) Final Action Date: 6/9/2025 | *Reaffirmation* 

ANSI/ASSE 1090-2020 (R2025), Performance Requirements for Drinking Water Atmospheric Water Generators (AWG) (reaffirmation of ANSI/ASSE 1090-2020) Final Action Date: 6/9/2025 | *Reaffirmation* 

#### **IEEE (Institute of Electrical and Electronics Engineers)**

445 Hoes Lane, Piscataway, NJ 08854-4141 | s.merten@ieee.org, www.ieee.org

ANSI/IEEE 1937.3-2025, Standard for Flight Data Transmission of Civil Unmanned Aerial Vehicle Based on Short Message Mechanisms (new standard) Final Action Date: 6/9/2025 | *New Standard* 

ANSI/IEEE C57.107-2025, Recommended Practice for Developing Short-Term Overexcitation V/Hz Curves for Transformers Directly Connected to Generators (new standard) Final Action Date: 6/5/2025 | *New Standard* 

#### **IEST (Institute of Environmental Sciences and Technology)**

1827 Walden Office Square, Suite 400, Schaumburg, IL 60173 | kconradi@iest.org, www.iest.org

ANSI/IEST/ISO 14644-5-2025, Cleanrooms and associated controlled environments - Part 5: Operations (national adoption of ISO 14644-5 with modifications and revision of ANSI/IEST/ISO 14644-5-2004) Final Action Date: 6/4/2025 | *National Adoption* 

#### **MHI (Material Handling Industry)**

8720 Red Oak Boulevard, Suite 201, Charlotte, NC 28217 | pdavison@mhi.org, www.mhi.org

ANSI MH16.3-2025, Design, Testing, and Utilization of Industrial Steel Cantilevered Storage Racks (revision of ANSI/MH16.3-2016) Final Action Date: 6/5/2025 | *Revision* 

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

1300 North 17th Street, Suite 900, Rosslyn, VA 22209 | Karen.Willis@nema.org, www.nema.org

ANSI C136.49-2021 (R2025), Standard for Roadway and Area Lighting Equipment - Plasma Lighting (reaffirmation of ANSI C136.49-2021) Final Action Date: 6/9/2025 | *Reaffirmation* 

ANSI C136.35-2025, Locking-Type Power Taps (LTPT) (revision of ANSI C136.35-2020) Final Action Date: 6/9/2025 | *Revision* 

#### **NSF (NSF International)**

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

ANSI/NSF 2-2025 (i48r4), Food Equipment (revision of ANSI/NSF 2-2022) Final Action Date: 6/3/2025 | Revision

ANSI/NSF 4-2025 (i39r4), Commercial Cooking, Rethermalization, and Powered Hot Food Holding and Transportation Equipment (revision of ANSI/NSF 4-2024) Final Action Date: 6/3/2025 | *Revision* 

ANSI/NSF 51-2025 (i28r4), Food Equipment Materials (revision of ANSI/NSF 51-2023) Final Action Date: 6/3/2025 | *Revision* 

#### **NSF (NSF International)**

789 N. Dixboro Road, Ann Arbor, MI 48105 | smccormick@nsf.org, www.nsf.org

ANSI/NSF 140-2025 (i36r1), Sustainability Assessment for Carpet (revision of ANSI/NSF 140-2019) Final Action Date: 6/3/2025 | *Revision* 

ANSI/NSF 170-2025 (i36r4), Glossary of Food Equipment Terminology (revision of ANSI/NSF 170-2024) Final Action Date: 6/3/2025 | *Revision* 

ANSI/NSF/CAN 61-2025 (i194r1), Drinking Water System Components - Health Effects (revision of ANSI/NSF/CAN 61 -2024) Final Action Date: 6/4/2025 | *Revision* 

ANSI/NSF/CAN 61-2025 (i195r1), Drinking Water System Components - Health Effects (revision of ANSI/NSF/CAN 61 -2024) Final Action Date: 6/5/2025 | *Revision* 

#### SIMA (Snow and Ice Management Association)

10140 N Port Washington Road, Milwaukee, WI 53092 | ellen@sima.org, http://www.sima.org

ANSI/SIMA 10-2025, Standard Practice for Procuring and Planning Snow and Ice Management Services (revision and redesignation of ANSI/SIMA 10-2020) Final Action Date: 6/5/2025 | *Revision* 

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

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

ANSI/TAPPI T 807 om-2025, Bursting strength of linerboard (new standard) Final Action Date: 6/3/2025 | New Standard

ANSI/TAPPI T 511 om-2013 (R2025), Folding endurance of paper (MIT tester) (reaffirmation of ANSI/TAPPI T 511 om -2013 (R2020)) Final Action Date: 6/3/2025 | *Reaffirmation* 

ANSI/TAPPI T 549 om-2020 (R2025), Coefficients of static and kinetic friction of uncoated writing and printing paper by use of the horizontal plane method (reaffirmation of ANSI/TAPPI T 549 om-2020) Final Action Date: 6/3/2025 | *Reaffirmation* 

ANSI/TAPPI T 553 om-2020 (R2025), Alkalinity of paper as calcium carbonate (alkaline reserve of paper) (reaffirmation of ANSI/TAPPI T 553 om-2020) Final Action Date: 6/3/2025 | *Reaffirmation* 

ANSI/TAPPI T 558 om-2010 (R2025), Surface wettability and absorbency of sheeted materials using an automated contact angle tester (reaffirmation of ANSI/TAPPI T 558 om-2010 (R2020)) Final Action Date: 6/3/2025 | *Reaffirmation* 

ANSI/TAPPI T 836 om-2020 (R2025), Bending stiffness, four point method (reaffirmation of ANSI/TAPPI T 836 om -2020) Final Action Date: 6/3/2025 | *Reaffirmation* 

#### **ULSE (UL Standards and Engagement)**

1603 Orrington Ave, Suite 20000, Evanston, IL 60201 | Susan.P.Malohn@ul.org, https://ulse.org/

ANSI/UL 61730-2-2025, Standard for Safety for Photovoltaic (PV) Module Safety Qualification - Part 2: Requirements for Testing (national adoption of IEC 61730-2 with modifications and revision of ANSI/UL 61730-2-2023) Final Action Date: 6/2/2025 | *National Adoption* 

ANSI/UL 482-2005 (R2025), Standard for Safety for Portable Sun/Heat Lamps (reaffirmation of ANSI/UL 482-2005 (R2020)) Final Action Date: 6/4/2025 | *Reaffirmation* 

ANSI/UL 858-2025, Standard for Household Electric Ranges (revision of ANSI/UL 858-2023) Final Action Date: 6/4/2025 | *Revision* 

ANSI/UL 1478A-2025, Standard for Pressure Relief Valves for Sprinkler Systems (revision of ANSI/UL 1478A-2013 (R2022)) Final Action Date: 6/9/2025 | *Revision* 

#### VITA (VMEbus International Trade Association (VITA))

929 W. Portobello Avenue, Mesa, AZ 85210 | jing.kwok@vita.com, www.vita.com

ANSI/VITA 47.0-2019 (R2025), Construction, Safety, and Quality for Plug-In Modules Standard (reaffirmation of ANSI/VITA 47.0-2019) Final Action Date: 6/5/2025 | *Reaffirmation* 

ANSI/VITA 67.0-2019 (R2025), Coaxial Interconnect on VPX - Base Standard (reaffirmation of ANSI/VITA 67.0-2019) Final Action Date: 6/5/2025 | *Reaffirmation* 

ANSI/VITA 67.1-2019 (R2025), Coaxial Interconnect on VPX - 4-Position SMPM Configuration (reaffirmation of ANSI/VITA 67.1-2019) Final Action Date: 6/5/2025 | *Reaffirmation* 

# **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.

## **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 interested 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 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 underrepresented categories:

- Producer-Software
- · Producer-Hardware
- · Distributor
- · Service Provider
- · Users
- Consultants
- · Government
- · SDO and Consortia Groups
- · Academia
- · General Interest

## **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 or by e-mail from standards@scte.org.

## **ANSI Accredited Standards Developer**

#### **AAFS - American Academy of Forensic Sciences**

#### Application Deadline: August 1, 2025

New membership opportunities for all existing consensus bodies. Application Deadline: August 1, 2025 New membership opportunities for existing consensus bodies: Anthropology, Bloodstain Pattern Analysis, CSI, DNA, Dogs and Sensors, Firearms and Toolmarks, Footwear and Tire, Forensic Document Examination, Forensic Nursing, Forensic Odontology, Friction Ridge, Mass Fatality Management and Disaster Victim Identification, Medicolegal Death Investigation, Toxicology, Wildlife Forensics.

The Academy Standards Board (ASB) of the American Academy of Forensic Sciences (AAFS) is an ANSIaccredited Standards Development Organization. It is announcing a call for new members for all existing consensus bodies. The consensus bodies have 7 to 25 members based on applications received. Members will be selected by the Board of Directors of the ASB. The ASB has six interest categories, applicants are encouraged to apply in their self-selected interest category. A person may apply to one or more Consensus Body, and need not indicate the same interest category for each Consensus Body application. An on-line application form is available at <u>https://www.aafs.org/academy-standards-board</u>, the website also contains links to several relevant documents describing the ASB. Applicants are requested to submit the online form to be considered for serving on the ASB consensus bodies by August 1, 2025 Questions: Teresa Ambrosius, TAmbrosius@aafs.org, 719-453-1036.

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

2311 Wilson Boulevard, Suite 400, Arlington, VA 22201 | jyeh2@ahrinet.org, www.ahrinet.org

BSR/AHRI Standard 1530-202x (I-P), Demand-flexible Commercial Electric Storage Water Heaters (new standard)

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

351 N. Williamson Boulevard, Daytona Beach, FL 32114-1112 | lawrencec@apcointl.org; standards@apcointl.org, www. apcolntl.org

BSR/APCO 1.117.2-202X, Emergency Communication Center (ECC) Key Performance Indicators (revision and redesignation of ANSI/APCO 1.117.1-2019)

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

1305 Walt Whitman Road, Suite 300, Melville, NY 11747 | standards@acousticalsociety.org, www.acousticalsociety.org

BSR S3.6-202x, Specification of Audiometers (revision of ANSI/ASA S3.6-2018 (R2023))

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

2590 Niles Road, Saint Joseph, MI 49085 | stell@asabe.org, https://www.asabe.org/

BSR/ASABE/ISO 5700-2025 MONYEAR-202x, Tractors for agriculture and forestry - Roll-over protective structures -Static test method and acceptance conditions (revision and redesignation of ANSI/ASABE/ISO 5700-2013 SEP2017 (R2022))

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

180 Technology Parkway, Peachtree Corners, GA 30092 | tmlisle@ashrae.org, www.ashrae.org

BSR/ASHRAE 41.2-202x, Standard Methods for Air Velocity and Airflow Measurement (revision of ANSI/ASHRAE Standard 41.2-2022)

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

180 Technology Parkway, Peachtree Corners, GA 30092 | tmlisle@ashrae.org, www.ashrae.org

BSR/ASHRAE 41.3-202x, Standard Methods for Pressure Measurement (revision of ANSI/ASHRAE Standard 41.3 -2022)

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

180 Technology Parkway, Peachtree Corners, GA 30092 | tmlisle@ashrae.org, www.ashrae.org

BSR/ASHRAE Standard 110-2016 (R202x), Method of Testing Performance of Laboratory Fume Hoods (reaffirmation of ANSI/ASHRAE Standard 110-2016)

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

Two Park Avenue, M/S 6-2B, New York, NY 10016-5990 | ansibox@asme.org, www.asme.org BSR/ASME PTC 19.3-2024 (R202x), Thermowells (reaffirmation of ANSI/ASME PTC 19.3-2024)

#### AWS (American Welding Society)

8669 NW 36th Street, Suite 130, Miami, FL 33166-6672 | kbulger@aws.org, www.aws.org BSR/AWS C3.4M/C3.4-202x, Specification for Torch Brazing (revision of ANSI/AWS C3.4M/C3.4-2016)

#### AWS (American Welding Society)

8669 NW 36th Street, Suite 130, Miami, FL 33166-6672 | kbulger@aws.org, www.aws.org BSR/AWS C3.5M/C3.5-202x, Specification for Induction Brazing (revision of ANSI/AWS C3.5M/C3.5-2016)

### AWS (American Welding Society)

8669 NW 36th Street, Suite 130, Miami, FL 33166-6672 | kbulger@aws.org, www.aws.org BSR/AWS C3.6M/C3.6-202x, Specification for Furnace Brazing (revision of ANSI/AWS C3.6M/C3.6-2016)

### AWS (American Welding Society)

8669 NW 36th Street, Suite 130, Miami, FL 33166-6672 | kbulger@aws.org, www.aws.org BSR/AWS C3.13M/C3.13-202x, Specification for Controlled Atmosphere Brazing (CAB) of Aluminum (new standard)

### AWS (American Welding Society)

8669 NW 36th Street, Suite 130, Miami, FL 33166-6672 | kbulger@aws.org, www.aws.org BSR/AWS C3.15M/C3.15-202x, Standard Methods for Evaluating the Strength of Soldered Joints (new standard)

### **CTA (Consumer Technology Association)**

1919 South Eads Street, Arlington, VA 22202 | KHaresign@cta.tech, www.cta.tech BSR/CTA 2045.4-202x, Implementation Guide for the Modular Communications Interface for Energy Management (new standard)

### **CTA (Consumer Technology Association)**

1919 South Eads Street, Arlington, VA 22202 | KHaresign@cta.tech, www.cta.tech

BSR/CTA 2051-B-202x, Wearable Sound Amplifier Performance Criteria (revision of ANSI/CTA 2051-A-2022)

#### **CTA (Consumer Technology Association)**

1919 South Eads Street, Arlington, VA 22202 | KHaresign@cta.tech, www.cta.tech

BSR/CTA 6005-202x, Multimedia systems and equipment - Colour measurement and management - Part 2-4: Colour management - Extended-gamut YCC colour space for video IEC 61966-2-4:2006 (identical national adoption of IEC 61966-2-4:2006)

#### **CTA (Consumer Technology Association)**

1919 South Eads Street, Arlington, VA 22202 | KHaresign@cta.tech, www.cta.tech

BSR/CTA 6006-202x, Digital Audio Interface - Part 1: General (IEC 60958-1:2021) (identical national adoption of IEC 60958-1:2021)

#### **CTA (Consumer Technology Association)**

1919 South Eads Street, Arlington, VA 22202 | KHaresign@cta.tech, www.cta.tech

BSR/CTA 6007-202x, Multimedia systems - Guide to the Recommended Characteristics of Analogue Interfaces to Achieve Interoperability (IEC 61938:2018) (identical national adoption of IEC 61938:2018)

#### **CTA (Consumer Technology Association)**

1919 South Eads Street, Arlington, VA 22202 | KHaresign@cta.tech, www.cta.tech

BSR/CTA 6008-202x, Portable multimedia equipment - Determination of battery duration - Part 1: Powered loudspeaker equipment (IEC 63296-1:2021) (identical national adoption of IEC 63296-1:2021)

#### **CTA (Consumer Technology Association)**

1919 South Eads Street, Arlington, VA 22202 | KHaresign@cta.tech, www.cta.tech

BSR/CTA 6009-202x, LCD multi-screen display terminals - Part 2: Measuring methods (IEC 63181-2:2020) (identical national adoption of IEC 63181-2:2020)

## DirectTrust<sup>™</sup> (DirectTrust.org, Inc.)

1629 K Street NW, Suite 300, Washington, DC 20006 | taylor.davis@directtrust.org, www.DirectTrust.org

BSR/DS2019-01-201-202x, XDR and XDM for Direct Secure Messaging Specification (revision of ANSI/DS2019-01 -200-2025)

Interest Categories: Are you interested in contributing to the development and maintenance of the Direct Standard<sup>®</sup> to enable the exchange of authenticated, encrypted health information to known trusted recipients? DirectTrust Standards is currently looking for members in the following categories: Consumer Sector, General Interest and Advocacy Sector, Government Sector, Healthcare Sector, Interoperability and System Integration Sector, Information Technology Sector, Payer Sector, and Socialcare Sector. If you are interested contact standards@directtrust.org.

#### HPVA (Hardwood Plywood Veneer Association)

42777 Trade West Drive, Sterling, VA 20166 | Jhosen@decorativehardwoods.org, www.DecorativeHardwoods.org BSR/HPVA EF-202x, Standard for Engineered Wood Flooring (revision of ANSI/HPVA EF-2020)

#### **NETA (InterNational Electrical Testing Association)**

3050 Old Centre Rd, Suite 101, Portage, MI 49024 | Idanzy@netaworld.org, www.netaworld.org

BSR/NETA ETT-2026-202x, Standard for Certification of Electrical Testing Technicians (revision of ANSI/NETA ETT -2022)

#### **NSF (NSF International)**

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

BSR/NSF/CAN 61-202x (i182r2), Drinking Water System Components - Health Effects (revision of ANSI/NSF/CAN 61-2024)

#### **ULSE (UL Standards and Engagement)**

12 Laboratory Drive, Research Triangle Park, NC 27709-3995 | griff.edwards@ul.org, https://ulse.org/ BSR/UL 393-202x, Standard for Safety for Indicating Pressure Gauges for Fire-Protection Service (new standard)

#### **ULSE (UL Standards and Engagement)**

12 Laboratory Drive, Research Triangle Park, NC 27709-3995 | griff.edwards@ul.org, https://ulse.org/ BSR/UL 985-202x, Standard for Household Fire Warning System Units (revision of ANSI/UL 985-2025)

#### **ULSE (UL Standards and Engagement)**

12 Laboratory Drive, Research Triangle Park, NC 27709-3995 | griff.edwards@ul.org, https://ulse.org/

BSR/UL 1023-202x, Standard for Safety for Household Burglar-Alarm System Units (revision of ANSI/UL 1023 -2024)

# **American National Standards (ANS) Announcements**

## **Call for Comment Public Review Extended**

## **ULSE - UL Standards and Engagement**

### BSR/UL 142-202x Comment Deadline Extended to: 7/21/25

At the request of the ANSI-Accredited Standards Developer, the public review and comment deadline period has been extended for the following proposal:

## **ULSE - UL Standards and Engagement**

12 Laboratory Drive, Research Triangle Park, NC 27709-3995 | johnny.hall@ul.org, https://ulse.org/

#### Revision

Revision

## BSR/UL 142-202x

Steel Aboveground Tanks for Flammable and Combustible Liquids (revision of ANSI/UL 142-2021)

Abstract: These requirements cover steel primary, secondary, and diked-type atmospheric storage tanks intended for the storage of noncorrosive, stable flammable, and combustible liquids with a specific gravity (spg) not exceeding 1.0 in aboveground applications, except for tanks storing liquids with a specific gravity that exceeds 1.0, covered in Section 12. Each tank type may be fabricated in a combination of various shapes (cylindrical, rectangular, or obround) and orientations (horizontal, vertical) with or without multiple compartments, as covered in this Standard. These tanks are intended for installation and use in accordance with the Flammable and Combustible Liquids Code, NFPA 30; the Standard for Installation of Oil-Burning Equipment, NFPA 31; the Code for Motor Fuel Dispensing Facilities and Repair Garages, NFPA 30A; the Standard for the Installation and Use of Stationary Combustion Engines and Gas Turbines, NFPA 37; the Uniform Fire Code, NFPA 1; and the International Fire Code published by the International Code Council. The tanks covered by these requirements are fabricated, inspected, and tested for leakage before shipment from the factory as completely assembled vessels.

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

Send comments (with optional copy to psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: https://csds.ul.com/ProposalAvailable Obtain an electronic copy from: https://www.shopulstandards.com/

Single copy price: Free

## **American National Standards (ANS) Announcements**

## **Call for Public Input**

## NRMCA 100-2023

## Call for Public Input for Revising NRMCA 100-2023

The National Ready Mixed Concrete Association (NRMCA) Standard 100 Committee announces the opening of the window for public input towards the revision of the publication in accordance with the American National Standards Institute (ANSI) compliance requirements.

NRMCA 100-2023 is the "Prescriptive Design of Exterior Concrete Walls for One- and Two- Family Dwellings". It provides an approach to the design of concrete footings, foundation walls, and above-grade walls - both load and non-load bearing.

Originally developed by the Portland Cement Association (PCA), NRMCA now hosts the standard and is mandated to follow periodic review to meet state-of-the-practice industry needs and trends.

Thus, the committee is requesting all stakeholders – architects, designers, engineers, developers, the academic community, contractors, building product manufacturers, code officials and individuals – to submit their input and recommendations to be considered for possible integration during the standard's current review cycle.

The NRMCA 100-2023 standard is available for free download at:

https://my.nrmca.org/Main/ItemDetail?iProductCode=2PP100&Category=STAN&WebsiteKey=ccc47b8b-8f64 -4219-ad5b-0c98afb23ccc

Interested parties may send their submissions to standardsdev@nrmca.org.

The deadline for all submissions is August 8, 2025 at 11:59 pm midnight Eastern Time.

For further information and questions, contact NRMCA's Director of Civil/Structural Codes and Standards, Dr. Julian Mills-Beale at <u>jmills-beale@nrmca.org</u>.

## **American National Standards (ANS) Process**

Please visit ANSI's website (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 linkis 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)

• ANSI Essential Requirements: Due process requirements for American National Standards (always current edition):

#### 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

• Accreditation information - for potential developers of American National Standards (ANS):

#### 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

- Lists of ANSI-Accredited Standards Developers (ASDs), Proposed ANS and Approved ANS:
- www.ansi.org/asd
- American National Standards Key Steps:
- www.ansi.org/anskeysteps
- American National Standards Value:
- www.ansi.org/ansvalue
- ANS Web Forms for ANSI-Accredited Standards Developers:

https://www.ansi.org/portal/psawebforms/

• Information about standards Incorporated by Reference (IBR):

https://ibr.ansi.org/

• ANSI - Education and Training:

www.standardslearn.org

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## **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.

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)

NFRC (National Fenestration Rating Council)

NISO (National Information Standards Organization)

NSF (NSF International)

PHTA (Pool and Hot Tub Alliance)

RESNET (Residential Energy Services Network, Inc.)

SAE (SAE International)

TCNA (Tile Council of North America)

TIA (Telecommunications Industry Association)

TMA (The Monitoring Association)

ULSE (UL Standards & Engagement)

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, select "American National Standards Maintained Under Continuous Maintenance." Questions? 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.

#### AGMA

American Gear Manufacturers Association 1001 N. Fairfax Street, Suite 500 Alexandria, VA 22314 www.agma.org

Phillip Olson olson@agma.org

#### AHRI

Air-Conditioning, Heating, and Refrigeration Institute 2311 Wilson Boulevard, Suite 400 Arlington, VA 22201 www.ahrinet.org

Jerry Yeh jyeh2@ahrinet.org

#### ANS

American Nuclear Society 1111 Pasquinelli Drive, Suite 350 Westmont, IL 60559 www.ans.org Kathryn Murdoch

kmurdoch@ans.org

#### APCO

Association of Public-Safety Communications Officials-International 351 N. Williamson Boulevard Daytona Beach, FL 32114 www.apcoIntl.org

Crystal Lawrence lawrencec@apcointl.org; standards@apcointl.org

#### API

American Petroleum Institute 200 Massachusetts Ave, NW, Suite 11103 Washington, DC , DC 20001 www.api.org

Nicholas Montebello montebellon@api.org

#### ASA (ASC S3)

Acoustical Society of America 1305 Walt Whitman Road, Suite 300 Melville, NY 11747 www.acousticalsociety.org

Raegan Ripley standards@acousticalsociety.org

#### ASABE

American Society of Agricultural and Biological Engineers 2590 Niles Road Saint Joseph, MI 49085 https://www.asabe.org/ Sadie Stell

stell@asabe.org

#### ASABE

American Society of Agricultural and Biological Engineers 2950 Niles Road Saint Joseph, MI 49085 https://www.asabe.org/

Britni Wall wall@asabe.org

#### ASHRAE

American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc. 180 Technology Parkway Peachtree Corners, GA 30092 www.ashrae.org

Tanisha Meyers-Lisle tmlisle@ashrae.org

#### ASME

American Society of Mechanical Engineers Two Park Avenue, M/S 6-2B New York, NY 10016 www.asme.org

Terrell Henry ansibox@asme.org

#### ASTM

ASTM International 100 Barr Harbor Drive West Conshohocken, PA 19428 www.astm.org

Laura Klineburger accreditation@astm.org

#### AWS

American Welding Society 8669 NW 36th Street, Suite 130 Miami, FL 33166 www.aws.org Kevin Bulger kbulger@aws.org

#### CSA

CSA America Standards Inc. 8501 East Pleasant Valley Road Cleveland, OH 44131 www.csagroup.org

Thuy Ton ansi.contact@csagroup.org

#### CTA

Consumer Technology Association 1919 South Eads Street Arlington, VA 22202 www.cta.tech

Kerri Haresign KHaresign@cta.tech

#### DirectTrustTM

DirectTrust.org, Inc. 1629 K Street NW, Suite 300 Washington, DC 20006 www.DirectTrust.org

Taylor Davis taylor.davis@directtrust.org

#### ECIA

Electronic Components Industry Association 13873 Park Center Road, Suite 315 Herndon, VA 20171 www.ecianow.org

Laura Donohoe Idonohoe@ecianow.org

#### FM

FM Approvals One Technology Way Norwood, MA 02062 www.fmapprovals.com

Josephine Mahnken josephine.mahnken@fmapprovals.com

#### HPVA

Hardwood Plywood Veneer Association 42777 Trade West Drive Sterling, VA 20166 www.DecorativeHardwoods.org

Joshua Hosen Jhosen@decorativehardwoods.org

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#### IAPMO (ASSE Chapter)

ASSE International Chapter of IAPMO 18927 Hickory Creek Drive, Suite 220 Mokena, IL 60448 www.asse-plumbing.org

Terry Burger standards.org

#### IAPMO (Z)

International Association of Plumbing & Mechanical Officials 4755 East Philadelphia Street Ontario, CA 91761 https://www.iapmostandards.org

Terry Burger standards@iapmostandards.org

#### IEEE

Institute of Electrical and Electronics Engineers 445 Hoes Lane Piscataway, NJ 08854 www.ieee.org

Suzanne Merten s.merten@ieee.org

#### IEST

Institute of Environmental Sciences and Technology 1827 Walden Office Square, Suite 400 Schaumburg, IL 60173 www.iest.org

Kimberly Conradi kconradi@iest.org

#### ISTA

International Safe Transit Association 1400 Abbot Road, Suite 160 East Lansing, MI 48823 www.ista.org

Eric Hiser ehiser@ista.org

#### ITI (INCITS)

InterNational Committee for Information Technology Standards 700 K Street NW, Suite 600 Washington, DC 20001 www.incits.org

Kim Quigley kquigley@itic.org

#### MHI

Material Handling Industry 8720 Red Oak Boulevard, Suite 201 Charlotte, NC 28217 www.mhi.org Patrick Davison pdavison@mhi.org

#### NECA

National Electrical Contractors Association 1201 Pennsylvania Avenue, Suite 1200 Washington, DC 20004 www.neca-neis.org

Jeff Noren Jeff.Noren@NECAnet.org

#### NEMA (ASC C136)

National Electrical Manufacturers Association 1300 North 17th Street Suite 900 Rosslyn, VA 22209 www.nema.org

Zijun Tong Zijun.Tong@nema.org

#### NEMA (ASC C136)

National Electrical Manufacturers Association 1300 North 17th Street, Suite 900 Rosslyn, VA 22209 www.nema.org

Karen Willis Karen.Willis@nema.org

#### NETA

InterNational Electrical Testing Association 3050 Old Centre Rd, Suite 101 Portage, MI 49024 www.netaworld.org

Lamar Danzy Idanzy@netaworld.org

#### NFPA

National Fire Protection Association One Batterymarch Park Quincy, MA 02169 www.nfpa.org

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#### NSF

NSF International 789 N. Dixboro Road Ann Arbor, MI 48105 www.nsf.org

Allan Rose arose@nsf.org Amy Jump ajump@nsf.org

Shannon McCormick smccormick@nsf.org

#### **RVIA**

Recreational Vehicle Industry Association 2465 J-17 Centreville Road, #801 Herndon, VA 20171 www.rvia.org

Tyler Reamer treamer@rvia.org

#### SIMA

Snow and Ice Management Association 10140 N Port Washington Road Milwaukee, WI 53092 http://www.sima.org

Ellen Lobello ellen@sima.org

#### TAPPI

Technical Association of the Pulp and Paper Industry 15 Technology Parkway, Suite 115 Peachtree Corners, GA 30092 www.tappi.org

Sidney Onyekwere standards@tappi.org

#### ULSE

UL Standards & Engagement 12 Laboratory Drive Research Triangle Park, NC 27709 https://ulse.org/

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Vickie Hinton Vickie.T.Hinton@ul.org

#### ULSE

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Derrick Martin Derrick.L.Martin@ul.org

#### ULSE

UL Standards and Engagement 12 Laboratory Dr Research Triangle, NC 27709 https://ulse.org/

Anastasia Letaw anastasia.letaw@ul.org

#### VITA

VMEbus International Trade Association (VITA) 929 W. Portobello Avenue Mesa, AZ 85210 www.vita.com

Jing Kwok jing.kwok@vita.com

# **ISO & IEC Draft International Standards**



This section lists proposed standards that the International Organization for Standardization (ISO) and the International Electrotechnical Commission (IEC) are 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 and IEC 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.

Those regarding IEC documents should be sent to the USNC/IEC team at ANSI's New York offices (usnc@ansi.org). The final date for offering comments is listed after each draft.

#### **ORDERING INSTRUCTIONS**

ISO and IEC Drafts can be made available by contacting ANSI's Customer Service department. Please e-mail your request for an ISO or IEC 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.

## **ISO Standards**

#### Agricultural food products (TC 34)

ISO/DIS 25184, Requirements for reference next generation nucleotide sequences: Verified Next Generation Sequences (VNGS) - 8/25/2025, \$67.00

#### Earth-moving machinery (TC 127)

ISO/DIS 19014-5.2, Earth-moving machinery - Functional safety -Part 5: Tables of performance levels - 7/21/2025, \$215.00

#### Glass in building (TC 160)

ISO/DIS 18958, Glass in building - Interlayer films for laminated glass and laminated safety glass - 8/24/2025, \$46.00

#### Light metals and their alloys (TC 79)

ISO 209:2024/DAmd 1, - Amendment 1: Wrought aluminium and aluminium alloys - Chemical composition - Amendment 1 -8/22/2025, \$29.00

#### Medical devices for injections (TC 84)

ISO 11608-1:2022/DAmd 1, - Amendment 1: Needle-based injection systems for medical use - Requirements and test methods - Part 1: Needle-based injection systems - Amendment 1 - 8/22/2025, \$33.00

#### Non-destructive testing (TC 135)

ISO/DIS 22500, Non-destructive testing - Magnetic flux leakage testing - Corrosion of steel plates and steel pipes of in-service equipment - 8/28/2025, \$62.00

# Occupational health and safety management systems (TC 283)

ISO/DIS 45010, Occupational health and safety management -Menstruation, menstrual health and menopause in the workplace - Guidance - 8/28/2025, \$119.00

#### Personal safety - Protective clothing and equipment (TC 94)

ISO/DIS 17249.2, Safety footwear for users of handheld chain saws - 6/12/2025, \$67.00

#### Pumps (TC 115)

ISO/DIS 27281, Safety requirements - Vehicle washing systems - 8/22/2025, \$112.00

#### Road traffic safety management systems (TC 241)

ISO/DIS 39004, Road traffic safety - Good practices for digital platform providers - 8/28/2025, \$88.00

#### Robots and robotic devices (TC 299)

ISO/DIS 21423, Robotics - Industrial mobile robots -Communications and interoperability - 8/23/2025, \$146.00

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

- ISO/DIS 16328, Ships and marine technology Gyro-compasses for high-speed craft 8/24/2025, \$77.00
- ISO/DIS 22090-1, Ships and marine technology Transmitting heading devices (THDs) - Part 1: Gyro-compasses - 8/24/2025, \$71.00
- ISO/DIS 22090-2, Ships and marine technology Transmitting heading devices (THDs) - Part 2: Geomagnetic principles -8/24/2025, \$77.00
- ISO/DIS 22090-3, Ships and marine technology Transmitting heading devices (THDs) - Part 3: GNSS principles - 8/24/2025, \$67.00

#### Sterilization of health care products (TC 198)

- ISO/DIS 11140-3, Sterilization of health care products Chemical indicators - Part 3: Type 2 indicators for use in the Bowie and Dick-type steam penetration test - 8/22/2025, \$98.00
- ISO/DIS 11140-4, Sterilization of health care products Chemical indicators Part 4: Type 2 indicator systems as an alternative to the Bowie and Dick-type test for the detection of steam penetration 8/23/2025, \$107.00
- ISO/DIS 11140-5, Sterilization of health care products Chemical indicators Part 5: Type 2 indicators for Bowie and Dick-type indicators and indicator systems 8/21/2025, \$67.00

### ISO/IEC JTC 1, Information Technology

ISO/IEC 11179-3:2023/DAmd 1, - Amendment 1: Information technology - Metadata registries (MDR) - Part 3: Metamodel for registry common facilities - Amendment 1: Enhancements to Item Mapping - 8/21/2025, \$102.00

#### Other

ISO/IEC DIS 17067, Conformity assessment - Fundamentals of and guidelines for conformity assessment schemes -8/25/2025, \$119.00

## **IEC Standards**

#### All-or-nothing electrical relays (TC 94)

94/1150/CDV, IEC 63522-46 ED1: Electrical relays - Tests and Measurements - Part 46: Impulse voltage test, 08/01/2025

# Audio, video and multimedia systems and equipment (TC 100)

- 100/4327/CDV, IEC 62680-1-2 ED8: Universal serial bus interfaces for data and power - Part 1-2: Common components -USB Power Delivery specification, 08/29/2025
- 100/4332/CDV, IEC 62680-1-3 ED7: Universal serial bus interfaces for data and power - Part 1-3: Common components -USB Type-C® cable and connector specification, 08/29/2025
- 100/4330/CDV, IEC 63652-1 ED1: NFC Forum Specifications -Part 1: NFC Wireless Charging (fast track), 08/29/2025
- 100/4331/CDV, IEC 63652-2 ED1: NFC Forum Specifications -Part 2: NFC Data Exchange Format (fast track), 08/29/2025

#### Automatic controls for household use (TC 72)

72/1488(F)/FDIS, IEC 60730-2-12 ED4: Automatic electrical controls - Part 2-12: Particular requirements for electrically operated door locks, 06/27/2025

#### Capacitors and resistors for electronic equipment (TC 40)

40/3221/CDV, IEC 60940 ED3: Application of capacitors, resistors, inductors and complete filter units for electromagnetic interference suppression - General rules and safety requirements, 08/29/2025

#### Documentation and graphical symbols (TC 3)

3C/2602/VD, IEC 60417-C00535 ED1: Reduced withstand to surges, 07/18/2025

#### Electric road vehicles and electric industrial trucks (TC 69)

69/1052/CDV, IEC 63584-210 ED1: Open Charge Point Protocol 2.1 (Fast track process), 08/29/2025

#### Electric traction equipment (TC 9)

- 9/3215/CDV, IEC 62590-3-2 ED1: Railway applications -Electronic power converters for fixed installations - Part 3-2: AC Traction applications - Static frequency converter, 08/29/2025
- 9/3216/CDV, IEC 63593 ED1: Railway applications Rolling stock - Specification and verification of energy consumption, 08/29/2025

#### Electrical apparatus for explosive atmospheres (TC 31)

- 31/1866/CDV, IEC 60079-1 ED8: Explosive atmospheres Part 1: Equipment protection by flameproof enclosures "d", 08/29/2025
- 31/1876/CD, IEC 60079-101 ED1: Explosive atmosphere Part 101: Principles of explosion protection, 09/26/2025
- 31G/425/DISH, IEC 60079-11/ISH4 ED7: Interpretation Sheet 4 - Interpretation Sheet 4 - Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i", 07/18/2025
- 31G/424/DISH, IEC 60079-11/ISH5 ED7: Interpretation Sheet 5 - Interpretation Sheet 4 - Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i", 07/18/2025

#### Electrical equipment in medical practice (TC 62)

62A/1666/CD, IEC 60601-1/FRAG11 ED4: Medical electrical equipment - Part 1: General requirements for basic safety and essential performance - Electromagnetic exposure hazards (Fragment 11), 08/29/2025

#### Electromagnetic compatibility (TC 77)

77B/901/CD, IEC 61000-4-4 ED4: Electromagnetic compatibility (EMC) - Part 4-4: Testing and measurement techniques -Electrical fast transient/burst immunity test, 08/01/2025

#### Electrostatics (TC 101)

101/739/FDIS, IEC 61340-4-7 ED3: Electrostatics - Part 4-7: Standard test methods for specific applications - Ionization, 07/18/2025

#### Fibre optics (TC 86)

- 86A/2591/CD, IEC 60793-2 ED10: Optical fibres Part 2: Product specifications General, 08/01/2025
- 86A/2589/FDIS, IEC 60794-1-214 ED1: Optical fibre cables -Part 1-214: Generic specification - Basic optical cable test procedures - Environmental test methods - Cable UV resistance test, Method F14, 07/18/2025
- 86B/5053/CDV, IEC 61300-2-33 ED4: Fibre optic interconnecting devices and passive components Basic test and measurement procedures Part 2-33: Tests Assembly and disassembly of fibre optic mechanical splices, fibre management systems and protective housings, 08/29/2025
- 86B/5052/CDV, IEC 61300-2-9/AMD1 ED3: Amendment 1 -Fibre optic interconnecting devices and passive components -Basic test and measurement procedures - Part 2-9: Tests -Shock, 08/29/2025
- 86C/1975(F)/FDIS, IEC 62007-2 ED3: Semiconductor optoelectronic devices for fibre optic system applications - Part 2: Measuring methods, 06/20/2025

#### Flat Panel Display Devices (TC 110)

110/1763/CDV, IEC 62715-6-42 ED1: Flexible displays - Part 6 -42: Flattening force measurement methods for rollable display devices, 08/29/2025

#### Fuel Cell Technologies (TC 105)

105/1124(F)/FDIS, IEC 62282-3-200 ED3: Fuel cell technologies - Part 3-200: Stationary fuel cell power systems - Performance test methods, 06/20/2025

# High Voltage Direct Current (HVDC) transmission for DC voltages above 100 kV (TC 115)

115/407/CD, IEC TS 62978 ED1: HVDC Installations - Guidelines on Asset Management, 08/01/2025

#### Industrial-process measurement and control (TC 65)

65E/1173(F)/FDIS, IEC 62453-1 ED3: Field device tool (FDT) interface specification - Part 1: Overview and guidance, 06/20/2025

#### Instrument transformers (TC 38)

- 38/822/CD, IEC 61869-14 ED2: Instrument transformers Part 14: Additional requirements for current transformers for DC applications, 08/01/2025
- 38/823/CD, IEC 61869-15 ED2: Instrument transformers Part 15: Additional requirements for voltage transformers for DC applications, 08/01/2025

#### Lamps and related equipment (TC 34)

34/1317/CDV, IEC 62386-225 ED1: Digital addressable lighting interface - Part 225: Particular requirements for control gear -Adaptive emergency escape lighting (device type 24), 08/29/2025

#### Lightning protection (TC 81)

81/794/FDIS, IEC 62561-2 ED3: Lightning protection system components (LPSC) - Part 2: Requirements for conductors and earth electrodes, 07/18/2025

#### Magnetic alloys and steels (TC 68)

- 68/792/CDV, IEC 60404-8-3/AMD1 ED4: Amendment 1 -Magnetic materials - Part 8-3: Specifications for individual materials - Cold-rolled non-oriented electrical steel strip and sheet delivered in the semi-processed state, 08/29/2025
- 68/793/CDV, IEC 60404-8-4/AMD1 ED4: Amendment 1 -Magnetic materials - Part 8-4: Specifications for individual materials - Cold-rolled non-oriented electrical steel strip and sheet delivered in the fully-processed state, 08/29/2025
- 68/794/CDV, IEC 60404-8-5/AMD1 ED2: Amendment 1 -Magnetic materials - Part 8-5: Specifications for individual materials - Electrical steel strip and sheet with specified mechanical properties and magnetic polarization, 08/29/2025
- 68/795/CDV, IEC 60404-8-8/AMD1 ED2: Amendment 1 -Magnetic materials - Part 8-8: Specifications for individual materials - Thin electrical steel strip and sheet for use at medium frequencies, 08/29/2025

#### **Nuclear instrumentation (TC 45)**

45A/1611/FDIS, IEC 63374 ED1: Nuclear power plants -Instrumentation systems important to safety - Characteristics and test methods of nuclear reactor reactivity meters, 07/18/2025

#### Performance of household electrical appliances (TC 59)

- 59L/294/CD, IEC 60704-2-7 ED3: Household and similar electrical appliances - Test code for the determination of airborne acoustical noise - Part 2-7: Particular requirements for fans, 08/01/2025
- 59L/293/CD, IEC 60704-2-8 ED3: Household and similar electrical appliances - Test code for the determination of airborne acoustical noise - Part 2-8: Particular requirements for electric shavers, hair clippers or trimmers, 08/01/2025

#### Power electronics (TC 22)

22F/821/CDV, IEC 61803 ED3: Determination of power losses in high-voltage direct current (HVDC) converter stations, 08/29/2025

#### Safety of household and similar electrical appliances (TC 61)

- 61/7430/CDV, IEC 60335-2-105 ED3: Household and similar electrical appliances - Safety - Part 2-105: Particular requirements for multifunctional shower cabinets, 08/01/2025
- 61B/718/CD, IEC 60335-2-25/AMD1 ED8: Amendment 1 -Household and similar electrical appliances - Safety - Part 2-25: Particular requirements for microwave ovens, including combination microwave ovens, 08/01/2025
- 61D/554/CDV, IEC 60335-2-40/AMD1/FRAG2 ED8: Amendment 1 - Household and similar electrical appliances - Safety - Part 2 -40: Particular requirements for electrical heat pumps, airconditioners and dehumidifiers (Fragment 2), 08/29/2025

#### Secondary cells and batteries (TC 21)

- 21A/937/CD, IEC 63635 ED1: Secondary cells and batteries containing alkaline or other non-acid electrolytes - Safety requirements for secondary sodium ion cells and batteries for use in industrial applications, 08/01/2025
- 21/1257/NP, PNW 21-1257 ED1: General requirement and test method of vanadium flow battery stack, 08/29/2025

#### Semiconductor devices (TC 47)

- 47/2933/CD, IEC 63567-4 ED1: Semiconductor devices -Performance evaluation of semiconductor processing components and inspection equipment - Part 4: Evaluation methods for dimensional accuracy of laser dicing process, 08/29/2025
- 47F/513/NP, PNW 47F-513 ED1: Micro-electromechanical systems-Part 58: Test methods for performances of MEMS thermopile devices, 08/29/2025
- 47F/514/NP, PNW 47F-514 ED1: Micro-electromechanical systems-Part 59: Test methods for performances of MEMS multi-orifice balanced differential pressure flowmeter, 08/29/2025

#### Solar photovoltaic energy systems (TC 82)

82/2440/CD, IEC 63409-7 ED1: Photovoltaic power generating systems connection with the grid - Testing of power conversion equipment- Part 7: Remote configuration, control and monitoring, 08/01/2025

#### Standard voltages, current ratings and frequencies (TC 8)

- 8/1753/CD, IEC 60038/AMD2/FRAG1 ED7: Amendment 2 (Fragment 1) - Standard voltages for LVDC supply and LVDC equipment (Proposed horizontal standard), 08/01/2025
- 8/1752/CD, IEC 60038/AMD2/FRAG2 ED7: Amendment 2 (Fragment 2) - Standard voltages for HVDC supply and HVDC equipment (Proposed horizontal standard), 08/01/2025
- 8B/252/CD, IEC TR 63631-1 ED1: Decentralized multiple energy systems, 08/01/2025

#### Surge arresters (TC 37)

- 37A/432(F)/FDIS, IEC 61643-21 ED2: Low voltage surge protective devices - Part 21: Surge protective devices connected to telecommunications and signalling networks -Requirements and test methods, 06/27/2025
- 37B/252/CDV, IEC 61643-361 ED1: Low-voltage surge protective components - Part 361: Surge isolation transformers (SITs) connected to low-voltage distribution system - Requirements and test methods, 08/29/2025

#### Switchgear and controlgear (TC 17)

17C/977(F)/FDIS, IEC 62271-208 ED1: High-voltage switchgear and controlgear - Part 208: Methods to quantify the steady state, power-frequency electromagnetic fields generated by HV switchgear assemblies and HV/LV prefabricated substations, both for rated voltages above 1 kV and up to and including 52 kV, 07/04/2025

# Switchgear and Controlgear and Their Assemblies for Low Voltage (TC 121)

- 121/224(F)/FDIS, IEC 62683-2-2 ED1: Low-voltage switchgear and controlgear - Product data and properties for information exchange - Engineering data - Part 2-2: Switchgear and controlgear assembly objects for building information modelling, 06/27/2025
- 121/221(F)/FDIS, IEC 63208 ED1: Switchgear and controlgear and their assemblies for low voltage - Security aspects, 06/20/2025

#### System engineering and erection of electrical power installations in systems with nominal voltages above 1 kV A. C., particularly considering safety aspects (TC 99)

99/494/CD, IEC TR 60071-15 ED1: Insulation co-ordination - Part 15: Insulation co-ordination for DC transmission lines, 08/01/2025

#### (TC 131)

131/12/CD, IEC 63570 ED1: Rotating electrical machines for the traction of road vehicles, 08/01/2025

#### Terminology (TC 1)

1/2647A/CDV, IEC 60050-461 ED3: International Electrotechnical Vocabulary (IEV) - Part 461: Electric cables, 07/11/2025

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

#### (TC )

JTC1-SC41/517/NP, PNW JTC1-SC41-517 ED1: Internet of Things (IoT) - General requirements of information publishing system based on IoT, 08/29/2025 JTC1-SC41/518/NP, PNW JTC1-SC41-518 ED1: Internet of Things (IoT) - General requirements for wireless power IoT systems, 08/29/2025

# **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. All paper copies are available from Standards resellers (http://webstore.ansi.org/faq.aspx#resellers).

## **ISO Standards**

#### Agricultural food products (TC 34)

ISO 5354-1:2025, Molecular biomarkers - Detection of DNA in cotton used for textile production - Part 1: Extraction of DNA from cotton, cottonseed and raw materials derived therefrom, \$172.00

#### Corrosion of metals and alloys (TC 156)

ISO 26146:2025, Corrosion of metals and alloys - Method for metallographic examination of samples after exposure to hightemperature corrosive environments, \$84.00

#### Domestic gas cooking appliances (TC 291)

- ISO 21364-1:2025, Domestic gas cooking appliances Safety -Part 1: General requirements, \$287.00
- ISO 21364-21:2025, Domestic gas cooking appliances Safety -Part 21: Particular requirements for gas hobs, gas grills and gas griddles, \$201.00
- ISO 21364-22:2025, Domestic gas cooking appliances Safety -Part 22: Particular requirements for ovens and compartment grills, \$230.00

#### Ergonomics (TC 159)

ISO 9241-112:2025, Ergonomics of human-system interaction -Part 112: Principles for the presentation of information, \$127.00

#### Floor coverings (TC 219)

ISO 10833:2025, Textile floor coverings - Determination of resistance to damage at cut edges using the modified Vettermann drum test, \$84.00

#### Forensic sciences (TC 272)

- ISO 21043-1:2025, Forensic sciences Part 1: Vocabulary, \$84.00
- ISO 21043-3:2025, Forensic sciences Part 3: Analysis, \$84.00
- ISO 21043-4:2025, Forensic sciences Part 4: Interpretation, \$127.00
- ISO 21043-5:2025, Forensic sciences Part 5: Reporting, \$84.00

Geosynthetics (TC 221)

ISO 13433:2025, Geosynthetics - Determination of dynamic perforation (cone drop test), \$84.00

#### Industrial fans (TC 117)

ISO 13348:2025, Fans - Tolerances, methods of conversion and technical data presentation, \$259.00

#### Industrial trucks (TC 110)

- ISO 23308-1:2025, Energy efficiency of industrial trucks Test methods Part 1: General, \$172.00
- ISO 23308-2:2025, Energy efficiency of industrial trucks Test methods - Part 2: Operator-controlled self-propelled trucks, burden and personnel carriers and towing tractors, \$84.00
- ISO 23308-3:2025, Energy efficiency of industrial trucks Test methods Part 3: Container handling lift trucks, \$56.00
- ISO 23308-6:2025, Energy efficiency of industrial trucks Test methods - Part 6: Container straddle carrier, \$56.00

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

ISO 12747:2025, Oil and gas industries including lower carbon energy - Pipeline transportation systems - Requirements and guidance for pipeline life extension assessment, \$230.00

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

- ISO 11554:2025, Optics and photonics Lasers and laser-related equipment - Test methods for laser beam radiant power, radiant energy and temporal characteristics, \$172.00
- ISO 14133:2025, Optics and photonics Specifications for binoculars, monoculars and spotting scopes - General purpose and high performance instruments, \$56.00

#### Paints and varnishes (TC 35)

- ISO 11124-7:2025, Preparation of steel substrates before application of paints and related products - Specifications for metallic blast-cleaning abrasives - Part 7: High chromium white cast iron grit, \$56.00
- ISO 16276-1:2025, Corrosion protection of steel structures by protective paint systems - Assessment of, and acceptance criteria for, the adhesion/cohesion (fracture strength) of a coating - Part 1: Pull-off testing, \$84.00

#### Petroleum products and lubricants (TC 28)

ISO 12917-1:2017/Amd 1:2025, - Amendment 1: Petroleum and liquid petroleum products - Calibration of horizontal cylindrical tanks - Part 1: Manual methods - Amendment 1, \$23.00

#### Plastics (TC 61)

ISO 11357-6:2025, Plastics - Differential scanning calorimetry (DSC) - Part 6: Determination of oxidation induction time (isothermal OIT) and oxidation induction temperature (dynamic OIT), \$84.00

#### Pulleys and belts (including veebelts) (TC 41)

ISO 284:2025, Conveyor belts - Electrical conductivity -Specification and test method, \$56.00

#### Road vehicles (TC 22)

ISO 17987-2:2025, Road vehicles - Local Interconnect Network (LIN) - Part 2: Transport protocol and network layer services, \$259.00

ISO 17987-4:2025, Road vehicles - Local Interconnect Network (LIN) - Part 4: Electrical physical layer (EPL) specification 12 V/24 V, \$230.00

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

- ISO 12492:2025, Rubber, raw Determination of water content by Karl Fischer method, \$127.00
- ISO 19984-2:2025, Rubber and rubber products Determination of biobased content - Part 2: Biobased carbon content, \$172.00

#### Safety of toys (TC 181)

ISO 8124-4:2025, Safety of toys - Part 4: Activity toys for domestic use, \$259.00

#### Security (TC 292)

ISO 22341-2:2025, Security and resilience - Protective security -Part 2: Guidelines for crime prevention through environmental design for residential facilities, \$127.00

#### Soil quality (TC 190)

ISO 17505:2025, Soil and waste characterization - Temperature dependent differentiation of total carbon (TOC400, ROC, TIC900), \$172.00

#### Tobacco and tobacco products (TC 126)

ISO 20768:2018/Amd 1:2025, - Amendment 1: Vapour products - Routine analytical vaping machine - Definitions and standard conditions - Amendment 1: Correction of puff profile requirements, \$23.00

#### Traditional Chinese medicine (TC 249)

ISO 19015:2025, Traditional Chinese medicine - Glycyrrhiza uralensis and Glycyrrhiza glabra seeds and seedlings, \$84.00

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

ISO 7856:2025, Intelligent transport systems - Remote support for low speed automated driving systems (RS-LSADS) -Performance requirements, system requirements and performance test procedures, \$259.00

#### **ISO Technical Reports**

#### Biotechnology (TC 276)

ISO/TR 4752:2025, Biotechnology - Inventory of methods for detection of microbiological contamination in mammalian cell culture, \$172.00

#### **ISO Technical Specifications**

#### Laboratory glassware and related apparatus (TC 48)

ISO/TS 6417:2025, Microfluidic pumps - Symbols and performance communication, \$127.00

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

- ISO/IEC 25422:2025, Information technology 3D Manufacturing Format (3MF) specification suite, \$56.00
- ISO/IEC 15944-7:2009/Amd 1:2025, Amendment 1: Information technology - Business operational view - Part 7: eBusiness vocabulary - Amendment 1, \$201.00
- ISO/IEC TS 13211-3:2025, Programming languages Prolog Part 3: Definite clause grammar rules as an extension of ISO/IEC 13211-1, \$127.00

## **IEC Standards**

#### All-or-nothing electrical relays (TC 94)

- IEC 63522-2 Ed. 1.0 b:2025, Electrical relays Tests and measurements - Part 2: Mechanical tests and weighing, \$103.00
- IEC 63522-29 Ed. 1.0 b:2025, Electrical relays Tests and measurements - Part 29: Capacitance, \$26.00

# Environmental standardization for electrical and electronic products and systems (TC 111)

IEC 63366 Ed. 1.0 b:2025, Product category rules for life cycle assessment of electrical and electronic products and systems, \$412.00

#### Fibre optics (TC 86)

IEC 61754-13 Ed. 3.0 b Cor.1:2025, Corrigendum 1 - Fibre optic interconnecting devices and passive components - Fibre optic connector interfaces - Part 13: Type FC-PC connector family, \$0.00

#### IEC 60794-1-124 Ed. 1.0 b:2025, Optical fibre cables - Part 1

-124: Generic specification - Basic optical cable test procedures - Mechanical tests methods - Installation test for microduct cabling, Method E24, \$103.00

#### Flat Panel Display Devices (TC 110)

- IEC 62906-6-1 Ed. 1.0 en:2025, Laser displays Part 6-1: Visualization method of colour gamut intersection, \$322.00
- IEC 63211-2-21 Ed. 1.0 en:2025, Durability test methods for electronic displays Part 2-21: Environmental tests Test methods for heat and humidity, \$200.00

#### High-voltage testing techniques (TC 42)

IEC 60270 Ed. 4.0 b:2025, High-voltage test techniques - Chargebased measurement of partial discharges, \$470.00

#### Other

IEC SRD 63320-2 Ed. 1.0 en:2025, Smart city use case collection and analysis - Smart urban planning for smart cities - Part 2: Use case analysis, \$470.00

#### Rotating machinery (TC 2)

IEC 60034-15 Ed. 4.0 b:2025, Rotating electrical machines - Part 15: Impulse voltage withstand levels of form-wound stator coils for rotating a.c. machines, \$361.00

#### **IEC Technical Reports**

#### Fibre optics (TC 86)

IEC/TR 63309 Ed. 1.0 en:2025, Active fibres - Characteristics and measurement methods - Guidance, \$258.00

#### Industrial-process measurement and control (TC 65)

IEC/TR 63319 Ed. 1.0 en:2025, A meta-modelling analysis approach to smart manufacturing reference models, \$580.00

# International Organization for Standardization (ISO)

## **Call for U.S. TAG Administrator**

#### ISO/TC 304 – Healthcare organization management

#### Comment Deadline: July 4, 2025

ANSI has been informed that InGenesis, Inc., the ANSI-accredited U.S. TAG Administrator for ISO/TC 304, wishes to relinquish their role as U.S. TAG Administrator.

ISO/TC 304 operates under the following scope:

Standardization in the field of healthcare organization management comprising, terminology, nomenclature, recommendations and requirements for healthcare-specific management practices and metrics (e.g. patient-centered staffing, quality, facility-level infection control, pandemic management, hand hygiene) that comprise the non-clinical operations in healthcare entities.

Excluded are horizontal organizational standards within the scope of:

- quality management and quality assurance (TC 176);
- human resource management (TC 260);
- risk management (TC 262);
- facility management (TC 267), and;
- occupational health and safety management (TC 283).

Also excluded are standards relating to clinical equipment and practices, enclosing those within the scope of TC 198 Sterilization of health care products.

Organizations interested in serving as the U.S. TAG Administrator or participating on a U.S. TAG should contact ANSI's ISO Team (<u>isot@ansi.org</u>).

## **Registration of Organization Names in the United States**

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**

## **Call for Comment**

U.S. manufacturers, exporters, trade associations, U.S domiciled standards development organizations and conformity assessment bodies, consumers, or U.S. government agencies 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 to the WTO Secretariat in Geneva, Switzerland proposed technical regulations that may significantly affect trade. In turn, the Secretariat circulates the notifications along with the full texts. 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 Enquiry Point for the WTO TBT Agreement is located at the National Institute of Standards and Technology (NIST) in the Standards Coordination Office (SCO). The Enquiry Point relies on the WTO's ePing SPS&TBT platform to distribute the notified proposed foreign technical regulations (notifications) and their full texts available to U.S. stakeholders. Interested U.S. parties can register with ePing to receive e-mail alerts when notifications are added from countries and industry sectors of interest to them. The USA WTO TBT Enquiry 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 prior to submitting comments. For nonnotified foreign technical barriers to trade for non-agricultural products, stakeholders are encouraged to reach out as early as possible to the Office of Trade Agreements Negotiations and Compliance (TANC) in the International Trade Administration (ITA) at the Department of Commerce (DOC), which specializes in working with U.S. stakeholders to remove unfair foreign government-imposed trade barriers. The U.S. Department of Agriculture's Foreign Agricultural Service actively represents the interests of U.S. agriculture in the WTO committees on Agriculture, Sanitary and Phytosanitary (SPS) measures and Technical Barriers to Trade (TBT). FAS alerts exporters to expected changes in foreign regulations concerning food and beverage and nutrition labeling requirements, food packaging requirements, and various other agriculture and food related trade matters. Working with other Federal agencies and the private sector, FAS coordinates the development and finalization of comments on measures proposed by foreign governments to influence their development and minimize the impact on U.S. agriculture exports. FAS also contributes to the negotiation and enforcement of free trade agreements and provides information about tracking regulatory changes by WTO Members. The Office of the United States Trade Representative (USTR) WTO & Multilateral Affairs (WAMA) office has responsibility for trade discussions and negotiations, as well as policy coordination, on issues related technical barriers to trade and standards-related activities.

#### **Online Resources:**

WTO's ePing SPS&TBT platform: <a href="https://epingalert.org/">https://epingalert.org/</a>

Register for ePing: https://epingalert.org/en/Account/Registration

WTO committee on Agriculture, Sanitary and Phytosanitary (SPS) measures:

https://www.wto.org/english/tratop\_e/sps\_e/sps\_e.htm

WTO Committee on Technical Barriers to Trade (TBT): <u>https://www.wto.org/english/tratop\_e/tbt\_e/tbt\_e.htm</u> USA TBT Enquiry Point: <u>https://www.nist.gov/standardsgov/usa-wto-tbt-enquiry-point</u> Comment guidance:

https://www.nist.gov/standardsgov/guidance-us-stakeholders-commenting-notifications-made-wto-members-tbt-committee NIST: https://www.nist.gov/

TANC: https://www.trade.gov/office-trade-agreements-negotiation-and-compliance-tanc

Examples of TBTs: https://tcc.export.gov/report a barrier/trade barrier examples/index.asp.

Report Trade Barriers: <u>https://tcc.export.gov/Report\_a\_Barrier/index.asp</u>.

USDA FAS: https://www.fas.usda.gov/about-fas

FAS contribution to free trade agreements: <u>https://www.fas.usda.gov/topics/trade-policy/trade-agreements</u> Tracking regulatory changes: <u>https://www.fas.usda.gov/tracking-regulatory-changes-wto-members</u>

USTR WAMA: https://ustr.gov/trade-agreements/wto-multilateral-affairs/wto-issues/technical-barriers-trade

Contact the USA TBT Enquiry Point at (301) 975-2918; E <u>usatbtep@nist.gov</u> or <u>notifyus@nist.gov</u>.



## XDR and XDM for Direct Secure Messaging Version 2.1 Redline Summary

### Edits to existing information: Section 1, 2, 8, References

All references of "Applicability Statement for Secure Health Transport Version 1.3" were updated to "The Direct Standard®".

## 1. Introduction

This specification addresses the use of <u>Document Sharing Metadata</u> (XD Metadata) in the context of Direct Secure Messaging to fulfill the requirements of health information exchange for XDR and XDM systems in a Direct Secure Messaging environment as described in the <u>Applicability Statement for Secure Health Transport Version 1.3</u> (Commonly known as The Direct Standard®. It references two IHE profiles, <u>Cross-Enterprise Document Media Interchange (XDM)</u> with the *Zip over Email* transport option, and Cross-Enterprise Document Reliable Interchange (XDR).

This specification defines:

- Use of XD Metadata with XDR and XDM in the context of Direct Secure Messaging.
- Additional attributes for XDR and XDM in the context of Direct Secure Messaging.
- Conversion between the XDR SOAP-based transport and <u>the Direct</u> SMTPbased transport.

The <u>Applicability Statement for Secure Health Transport Version 1.3The Direct</u> <u>Standard®</u> identifies the use of SMTP as its primary mechanism for delivering healthcare



## New Addition: Section 1.1 In Scope and Section 1.2 Out of Scope

#### 1.1 In Scope

- Identification of XD Metadata that is required
- How to construct the SOAP header

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XDR and XDM for Direct Secure Messaging Specification – Version 2.10

- How to address conversion process flows
- Define Delivery Notification requirements for XDR in Direct
- Security Considerations

#### 1.2 Out of Scope

- Delivery Notification flows and timeout requirements (In Scope for the Implementation Guide for Delivery Notification for Direct Secure Messaging)
- Responsibilities for Sender and Receiver STAs (In scope for the Implementation Guide for Direct Edge Protocols)
- Process workflows after the Direct message has successfully been delivered to the Edge system (In scope for Use Case Specific)



## Edit to existing information: Section 2.2 DocumentEntry Attributes

formatCode	R2	R2/R2/R	When	availa	able,	implementations	SHOULD
			draw	from	the	FHIR Documen	t <del>Reference</del>

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XDR and XDM for Direct Secure Messaging Specification - Version 2.10

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	<u>CodeSystem</u> . (OID
	<u>1.3.6.1.4.1.19376.1.2.3</u> 1.3.6.1.4.1.19376.1.2.7
	.1) if an appropriate code exists in the value set.
	1. An example of a case where appropriate
	codes do not exist in the above value set,
	is the Event Notification via Direct
	Implementation Guide which uses
	<ol><li>"name": "DTFormatCodeCodeSystem".</li></ol>
	3. "title": "DirectTrust FormatCode Code
	<u>System"</u>
	<u>4. "url":</u>
	<u>"https://objects.directtrust.org/standard</u>
	<u>s/terminology/codeSystem/DTFormatC</u>
	odeCS.json".



## Edit to existing information: Section 7.2 Packaging Conversion from XDM to XDR

#### 7.2 Packaging Conversion from XDM to XDR

The IHE specification specifies that the e-mail message has a subject that contains the string "XDM/1.0/DDM", specifies the format and contents of the XDM zip archive, and that the zip archive is an attachment to the message. The IHE specification does not discuss any cases where there is a combination of an XDM zip attachment and non-XDM attachments. Accordingly, the following guidance is given to implementations:

If the subject line contains the substring "XDM/1.0/DDM", implementations SHALL reject messages with more than one zip attachment, or with any attachments in addition to one zip attachment and an additional MIME part as the message body.

If the subject line contains the substring "XDM/1.0/DDM", and there are no zip attachments, the implementation SHALL <u>fail</u> the message and <u>return</u> a proper DSN.

If a message with an XDM zip package also contains a message body the HISP SHOULD ignore the message body. An implementer MAY make other arrangements with their customer<u>or accommodate other Implementation Guides</u>.-

An XDM Zip package contains a root directory, which includes a set of manifest content, and an IHE\_XDM directory, which contains at least one subdirectory representing a submission set, which contains packaged context with a metadata file equivalent to that provided in <u>a</u> XDR transaction. Note that the XDM attachment in Direct Secure Messaging is restricted to exactly one submission set. Per section <u>3.1</u> implementations MAY reject XDM packages containing more than one submission set, i.e. containing more than one directory in the IHE\_XDM directory.

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## 4. PERFORMANCE REQUIREMENT

#### 4.1.4 Test Procedure

- 4.1.4.1 Prior to starting the tests, the operator shall verify that all equipment is operational and the customer (if present) is satisfied with the test set-up.
- 4.1.4.2 <u>Combustible liquid shall be permitted to acclimate to laboratory temperature for minimum 24</u> <u>hours prior to test.</u>
- 4.1.4.3 Prior to starting the tests, the operator shall verify that all safety precautions are in place.
- 4.1.4.4 Ignite the oil in the corner of the pan (as shown in Figure 1) with a propane torch applied to 1 pint (0.5 liter) of heptane floated on the oil.
- 4.1.4.5 The test shall be run for a maximum duration of twenty (20) minutes or until breach of, or leakage from, an IBC is confirmed.
- 4.1.4.6 Record all data and observations.
- 4.1.4.7 Once the test duration has elapsed or IBC failure has occurred, the test will be terminated.
- 4.1.5 Performance Requirements

There can be no breach of, or leakage from, the IBC during the 20 minute exposure or for 24 hours after the conclusion of the test. Hole formation above the liquid level in the IBC is acceptable as long as the net area does not exceed 10% of the total top surface of the IBC.  $2 \text{ in}^2 (13 \text{ cm}^2)$ .

## 2026 BSR/RVIA RVEC-1 WORKING COMMITTEE COMMENT DOCUMENT (WCCD)

Canvass Working Committee WCCD Action Meeting Meeting Date: 5/22/25

## RVEC, WCD Log #3 (Section 3-3.3)

## **COMMENT ON PROPOSAL:**

Lippert Objection to Working Committee Rejection of Lippert Proposal

Lippert, as a supplier of ramp doors and patio doors, objects to the 2026 RVIA RVEC-1 Working Committee rejection of proposal Log #3 (3-3.3) and Log 5 (3-4.3.4) for the following reasons, supported by examination of typical loads expected on ramp doors.

Our basis for objection is as follows:

- 1. Objection to rejection as noted in Log 3
  - a. Patios are intended for "living space" and thus the major weight load will be people. For a given area of 8 ft wide by 8 ft tall (64 sq ft) the maximum reasonable number of persons would be less than 10. At average 200 lb/person the load would be less than 2000lb.
  - b. OEM manufacturers of common travel trailers have not requested patio doors in excess of 2000 lb rated capacity, due to excessive cost penalty and weight. Therefore, testing to a load (rating plus safety factor) totaling more than 3000 pounds is superfluous.
- 2. Objection to rejection as noted in Log 5
  - a. Typical ramp door use is for loading/unloading of small vehicles (ATVs, Golf carts, motorcycles, etc.). Surveys of these manufacturers describe the following typical vehicle weights of these products:
    - i. Motorcycle 500 to 800 pounds
    - ii. Golf Cart 900 to 1100 pounds
    - iii. ATV 4-wheeler 360 to 800 pounds
    - iv. RV towable OEMs do NOT recommend loading of a legal road vehicle (such as a small Fiat or Cooper Mini, approx. weight 2800 lb) and states such use voids the RV vehicle warranty.
  - b. OEM manufacturers have not requested common travel trailer ramp doors in excess of 3000 lb max weight capacity, due to excessive cost penalty and weight.
- 3. Ramp doors are primarily in use in towable vehicles. The added weight of a more robust ramp door capable of a heavier load, coupled with a heavier vehicle than that noted above will lead to serious ramp instability and difficulty in maintaining tongue weight at the front of the towable.

For a ramp door capable of 3000 pounds for these applications, the OEM is already getting a generous safety factor for their application. To then apply a safety factor of 1.5x on top of the 3000 pounds (or higher) rating results in an over-engineered door that is more capable than the trailer it mates to and more costly than necessary. Additionally, testing the 1.5x factor above 3000 pounds of load increases the safety risk for the test equipment as well as test operators due to the higher load of the test equipment, and increased instability of the test itself (tip-over, equipment fault, etc.).

## APPENDIX



Figure 1: 5,000 lb. cart on door during 1<sup>st</sup> day of testing

## WORKING COMMITTEE ACTION: No Action

**WORKING COMMITTEE STATEMENT:** The purpose of a factor of safety is to ensure there is no failure at the rated load. Disregarding the factor of safety for higher ratings is counterintuitive. If 2,000 lb. is the maximum rating requested by the OEM manufacturers, then the 3,000 lb. test load for 1.5x rating is reasonable. If there is no market for ratings above 2,000 lb., then a higher rating should not be offered. A test safety plan is the responsibility of the test facility and should be a normal part of their procedures. We should not include a sliding factor of safety that is dependent on the rating. The factor of safety should be maintained for safety, as intended. The additional 1.5x safety factor also addresses unknown dynamic loads that the cable-supported patio may experience.

## <u>RVEC, WCD Log #4 (Section 3-3.4)</u> COMMENT ON PROPOSAL:

			ACTION	0.1		
RVEC-1	4	3-3.4	Accept		S. A.	
RVEC-1	5	3-4.3.4	Reject – See WC Action	S.A.		
RVEC-1	6	4-5.3	Reject – See WC Action	S.A.		
RVEC-1	7	4-5.4	Accept	SA.		





## WORKING COMMITTEE ACTION: No Action

**WORKING COMMITTEE STATEMENT:** The working committee disagrees with increasing the safety factor of 1.2x to 1.5x in this instance due to the fact that loading the end of a cable-supported patio within 3 feet of the edge at 1.2x is far more severe than the test in 3-3.3 which requires a 1.5x load capacity that is evenly distributed across the patio. An increase in the minimum load from 1.2x to 1.5x would be unreasonable and disproportionate for the cable system to withstand. The working committee deems the test at the current safety factor of 1.2x to be sufficient. The reason that the 1.2x safety factor is present is to put a large moment in the door, which is achieved at this safety factor. Most cables are installed within 1 to 3 feet from the edge of the door. 1.2x load capacity is a very high load for the end of the door to endure within 3 feet of its edge.

## <u>RVEC, WCD Log #5 (Section 3-4.3.4)</u> COMMENT ON PROPOSAL:

Lippert Objection to Working Committee Rejection of Lippert Proposal

Lippert, as a supplier of ramp doors and patio doors, objects to the 2026 RVIA RVEC-1 Working Committee rejection of proposal Log #3 (3-3.3) and Log 5 (3-4.3.4) for the following reasons, supported by examination of typical loads expected on ramp doors.
Our basis for objection is as follows:

- 1. Objection to rejection as noted in Log 3
  - Patios are intended for "living space" and thus the major weight load will be people. For a given area of 8 ft wide by 8 ft tall (64 sq ft) the maximum reasonable number of persons would be less than 10. At average 200 lb/person the load would be less than 2000lb.
  - b. OEM manufacturers of common travel trailers have not requested patio doors in excess of 2000 lb rated capacity, due to excessive cost penalty and weight. Therefore, testing to a load (rating plus safety factor) totaling more than 3000 pounds is superfluous.
- 2. Objection to rejection as noted in Log 5
  - a. Typical ramp door use is for loading/unloading of small vehicles (ATVs, Golf carts, motorcycles, etc.). Surveys of these manufacturers describe the following typical vehicle weights of these products:
    - i. Motorcycle 500 to 800 pounds
    - ii. Golf Cart 900 to 1100 pounds
    - iii. ATV 4-wheeler 360 to 800 pounds
    - iv. RV towable OEMs do NOT recommend loading of a legal road vehicle (such as a small Fiat or Cooper Mini, approx. weight 2800 lb) and states such use voids the RV vehicle warranty.
  - b. OEM manufacturers have not requested common travel trailer ramp doors in excess of 3000 lb max weight capacity, due to excessive cost penalty and weight.
- 3. Ramp doors are primarily in use in towable vehicles. The added weight of a more robust ramp door capable of a heavier load, coupled with a heavier vehicle than that noted above will lead to serious ramp instability and difficulty in maintaining tongue weight at the front of the towable.

For a ramp door capable of 3000 pounds for these applications, the OEM is already getting a generous safety factor for their application. To then apply a safety factor of 1.5x on top of the 3000 pounds (or higher) rating results in an over-engineered door that is more capable than the trailer it mates to and more costly than necessary. Additionally, testing the 1.5x factor above 3000 pounds of load increases the safety risk for the test equipment as well as test operators due to the higher load of the test equipment, and increased instability of the test itself (tip-over, equipment fault, etc.).

## APPENDIX



Figure 1: 5,000 lb. cart on door during 1<sup>st</sup> day of testing

# WORKING COMMITTEE ACTION: No Action

**WORKING COMMITTEE STATEMENT:** The purpose of a factor of safety is to ensure there is no failure at the rated load. Disregarding the factor of safety for higher ratings is counterintuitive. If 2,000 lb. is the maximum rating requested by the OEM manufacturers, then the 3,000 lb. test load for 1.5x rating is reasonable. If there is no market for ratings above 2,000 lb., then a higher rating should not be offered. A test safety plan is the responsibility of the test facility and should be a normal part of their procedures. We should not include a sliding factor of safety that is dependent on the rating. The factor of safety should be maintained for safety, as intended. The additional 1.5x safety factor also addresses unknown dynamic loads that the ramp door may experience.

### BSR/UL 746D, Standard for Safety for Polymeric Materials – Fabricated Parts

### 1. Addition of Requirements for Reprocessed Thermoplastics as New Section 8A

### PROPOSAL

### 8A Reprocessed Thermoplastics

8A.1.1 Thermoplastics containing reprocessed material by any amount in the molding process require a separate investigation to determine the effect of repeated grinding/molding procedures and additional heat-process cycle in the form of extrusion for converting into pellote and it and it

8A.1.2 Parts shall not be molded from material that contains any specific amount of thermoplastic reprocessed material by weight, that has been dry blended by the molder with the same grade of virgin material, unless the results of a separate investigation indicate acceptable performance for the specific <u>part.</u>

8A.1.3 Any increase in the amount of the use of reprocessed material shall require a separate investigation to determine the effects of the modification.

### 8A.2 Evaluation of polymeric material with up to 25 percent by weight reprocessed material

NOTE: Identical requirements for plastics with a regrind content of more than 25 percent are described in the section of the Standard for Polymeric Materials - Short Term Property Evaluations, UL 746A titled "Regrind of Thermoplastic Polymeric Materials."

8A.2.1 Polymeric materials utilizing a maximum reprocessed material of up to 25 percent by weight shall comply with the requirements in 8A.2.2 - 8A.2.4.

8A.2.2 The tests for polymer identification as specified in the Standard for Polymeric Materials - Short Term Property Evaluations, UL 746A, are to be comparable between 100 percent reprocessed material and the virgin material based on the conformance criteria specified in:

- a) Infrared (IR) Analysis Conformance Criteria, Appendix A;
- b) <u>Thermogravimetric Analysis (TGA) Conformance Criteria</u>, Appendix B; and
- c) Differential Scanning Calorimetry (DSC) Conformance Criteria, Appendix C

of UL 746A.

8A.2.3 The UL 94 flammability rating on samples containing the maximum level of reprocessed material shall comply with that of the virgin material in the minimum thickness at all different flame ratings and applicable colors assigned to the virgin material.

8A.2.4 The minimum thickness of flammability test samples containing reprocessed material shall not be less than 0.75 mm. Testing at the 0.75 mm thickness is representative of lower thicknesses.

8A.3 Evaluation of polymeric material with more than 25 percent by weight reprocessed material

8A.3.1 Polymeric materials utilizing reprocessed material more than 25 percent by weight shall comply with the requirements in 8A.3.2 - 8A.3.14.

ULSE INC.

8A.3.2 The tests for polymer identification as specified in the Standard for Polymeric Materials - Short Term Property Evaluations, UL 746A, are to be comparable between 100 percent reprocessed material and the virgin material based on the conformance criteria specified in:

- a) Infrared (IR) Analysis Conformance Criteria, Appendix A;
- b) <u>Thermogravimetric Analysis (TGA) Conformance Criteria, Appendix B; and</u>
- c) Differential Scanning Calorimetry (DSC) Conformance Criteria, Appendix C

### of UL 746A.

8A.3.3 The UL 94 Flammability rating on samples containing the maximum level of reprocessed material shall comply with that of the virgin material in the minimum thickness at all different flame ratings and applicable colors assigned to the virgin material.

8A.3.4 The minimum thickness of flammability test samples containing reprocessed material shall not be less than 0.75 mm. Testing at the 0.75 mm thickness is representative of lower thicknesses.

8A.3.5 Mechanical properties on samples containing the maximum level of reprocessed material shall be within 15 percent of that of the virgin material.

8A.3.6 The mechanical strength property is to be evaluated using either:

- a) <u>The Tensile Strength Test specified in the section of the Standard for Polymeric Materials Short</u> <u>Term Properties, UL 746A titled "Tensile Properties of Thermoplastic Polymeric Materials" or</u>
- b) <u>The Flexural Strength Test specified in the section of UL 746A titled "Flexural Properties of</u> <u>Polymeric Materials."</u>

on a nominal 3.0 mm or 4.0 mm thick test specimen, as appropriate for the specific test method. Testing at the appropriate 3.0 mm or 4.0 mm thickness is representative of other thicknesses.

8A.3.7 The Mechanical Impact property is to be evaluated using:

- a) <u>The Charpy Impact Test specified in the Standard for Polymeric Materials Short Term Property</u> <u>Evaluations, UL 746A; or</u>
- b) The Izod Impact Test specified in UL 746A; or
- c) The Tensile Impact Test specified in UL 746A

on a nominal 3.0 mm or 4.0 mm thick test specimen, as appropriate for the specific test method. Testing at the appropriate 3.0 mm or 4.0 mm thickness is representative of other thicknesses.

8A.3.8 The resistance to ignition properties using Hot-Wire-Ignition (HWI) or Glow-wire Ignition Temperature (GWIT) referenced in the Standard for Polymeric Materials - Short Term Property Evaluations, UL 746A, on samples containing the maximum level of reprocessed material shall be comparable or better to that of the virgin material.

8A.3.9 The result on Glow-wire Ignition Temperature (GWIT) is considered comparable if the deviation is within 25°C up to 900°C and within 30°C between 900°C and 960°C.

8A.3.10 The result on Hot-Wire-Ignition (HWI) is considered comparable if the same Performance Level Category (PLC) rating is obtained or the deviation is not more than 30 percent of the average ignition time.

8A.3.11 The Resistance to Ignition properties is to be evaluated on nominal 3.0 mm thick test specimens. Testing at the 3.0 mm thickness is representative of other thicknesses.

8A.3.12 For those materials that require evaluation to outdoor use properties using the procedure described in the Standard for Polymeric Materials – Use in Electrical Equipment Evaluations, UL 746C. the material containing a maximum level of reprocessed material and the virgin material shall meet the criteria mentioned in the table of UL 746C titled "Minimum property retention limitations after ultraviolet light and water immersion conditioning."

8A.3.13 The specimens containing the maximum level of reprocessed material are not to be tested at less

8A.3.15 Ports

8A.3.15 Reprocessed Plastics specimens shall be prepared by following Method B (one-cycle) procedure as mentioned in the section of the Standard for Polymeric Materials – Short Term Property Evaluations, UL 746A titled "Preparation of regrind specimens." If the reprocessed material exceeds 80 percent by weight, the specimens shall be made from reprocessed material manufactured by two complete process cycles of the virgin material.

NOTE - For example, if 50 percent by weight reprocessed material is intended to be used with 50 percent by weight virgin, specimens shall be made by blending (50 x 1.25) = 62.5 percent by weight reprocessed material with 37.5 percent by weight virgin material. The portion of reprocessed material consists of one cycle molded, ground and repelletized virgin material.

integrine integr 8A.3.16 If the results of data comparison between the virgin material and the material containing reprocessed content compare favorably as specified in 8A.2.1 or 8A.3.1, the evaluation of thermal endurance property and other electrical properties are not required.

BSR/UL 969, Standard for Safety for Standard for Marking and Labeling Systems

### 1. Expand scope to include heat fusion labels and related products

### PROPOSAL

1.1 These requirements cover labels and related products for use as permanent nameplates or markers markings; bearing safety-related information, instructions, or identification in the form of text or pictographs on end-products. Adhesive-attached labels may be pressure-sensitive, heat-activated, or solvent-activated. These labels and related products are intended to be used by manufacturers for application to their products at their place of manufacture.

# NOTE FROM TC PROJECT MANAGER: Clause 5.0 and Table 5.1 are meant to go at the beginning of Section 5. See Topic #3 for more information.

5.0 Test surfaces are to be of the same material employed in the intended application or a representative test surface. When a representative test surface is used, the surface shall be of the same generic type of metal, plastic, wood, or painted <u>surfacessurface</u>, the same surface finish (e.g., smooth or textured), and of the same surface geometry (e.g., flat or curved) as the intended application. Table 5.1 provides a list of common generic test surfaces.

	Generic Material Type	Surfaces	rodule
	<u>MetalMetals</u>		89. 19
		Aluminum (also covers anodized)	Galvanized Steel
		Brass	Magnesium
		Chromate treated	Nickel plated
		Copper	Stainless Steel
	Powder Coatings		
		Acrylic	Polyester
		Ероху	Polyurethane (urethane)
	Paints (enamels	, lacquers)	
		Polymethyl methacrylate (Acrylic)	Melamine
		Alkyd	Polyester
		Ероху	Polyurethane
	Plastics		
	ates.	Acrylic	Polyphenylene oxide/ether
	18	Acrylonitrile butadiene styrene	Polyphenylene sulfide
	001	Ероху	Polypropylene
2	5	Melamine	Polystyrene
E In		Phenolic	Polysulfane
		Polyamide (Nylon)	Polysulfone
V.		Polybutylene terephthalate	Polyvinyl chloride (rigid)
		Polyethylene terephthalate	Styrene acrylonitrile
		Polycarbonate	Unsaturated (thermoset) polyester
		Polyethylene (also covers high and low density)	Urea formaldehyde

Table 5.1 List of Common Generic Test Surfaces

		Polymethyl methacrylate			
Wood					
		Basswood	Hickory		
		Douglas fir	Southern yellow pine		
		Hemlock			
Other		·		.10	
		Porcelain (glazed)	Glass		
Notes:					
1)	) Oth	Other test surfaces may be evaluated as requested.			
2)	) Ag	A generic metal surface, such as aluminum, can be considered representative of alloys			
	the	be alloy do not exceed 15% of the composition			
3)	) Ag	A generic plastic surface can be considered representative of filled or reinforced plastic			
,	oft	of the same generic type.			
4)	) Pai	Painted surfaces can be considered representative of either painted metals or <u>painted</u>			
	pla	plastics.			
5)	) Two	o or more plastic or painted surfaces ca	an be considered representative of blends or		
	allo	alloys of those plastics or paints, provided the combination is covered for the conditions			
[	and	and temperatures that are common to the individual surraces.			

### 10 Manufacturer's Product Application Instructions

10.3 The instructions shall be provided with each shipment or be made available electronically on the 3. General updates to clarify requirements manufacturer's website.

### PROPOSAL

for 3.3A IMAGING PROCESS - A means by which text or pictographs are imaged on or within a face stock without ink, such as laser marking (including etching, bonding, discoloration).

3.8 MARKING AND LABELING SYSTEM – A label or related product that meets the permanency requirements of this standard and is intended to bear safety-related information on end-products.

3.16A TEST SAMPLE - A marking Marking and labeling systems system affixed to a test surface.

3.16B TEST SURFACE A surface to which the marking and labeling system is affixed for testing

4.0 A marking and abeling system shall be permanent and legible in accordance with the requirements of this standard for its intended use. Factors to be considered in judging the acceptability of a label or related product in a particular application are the surface to which the label it is affixed and the environmental conditions forto which the label it would be subjected to on the end-product during intended normal use, such as the use location (e.g., indoor or outdoor use), maximum temperature, minimum temperature (if applicable), and additional conditions (if applicable).

### Table 4.1

### Permanence and legibility

		A 1	
SEIN	Permanence and legibility		
0.	Test	Requirement	
	Visual Examination – The labels <u>or related</u> <u>products</u> shall be viewed at arm's length [approximately 18 in (457 mm)] by a person with normal or corrected vision.	A label or <u>unprinted materials</u> related product shall adhere to the test surface without any significant curling or loosening around the perimeter of more than 0.2 in (5.1 mm) or greater than 10 percent of	

Test	Requirement
	the label <u>or related product</u> area, or other indication of loss of adhesion such as wrinkles or bubbles. It shall not excessively craze, shrink more than 10 percent of the label <u>or related</u> <u>product</u> area or slip from its original position on the test panel more than 0.2 in (5.1 mm). Transparent labels <u>or related products</u> shall show no excessive darkening. Overlamination, if present, shall show no separation, excessive darkening or shrinkage of more than 10 percent of the label area.
	<u>Text and pictographs</u> , if present, shall be legible and there shall be no significant deterioration of legibility such as fading or bleeding. Significant change in print colors shall be noted.
Legibility Test –	itho
Printed surfaces of labels <u>or related products</u> are to be rubbed with thumb or finger back and forth ten times with a downward force of approximately 4 lb (18 N) and then examined for legibility as in the Visual Examination. <sup>a</sup>	Printing Text and pictographs, if present, shall be legible and there shall be no significant deterioration or blurring of legibility. The overprint coating, if present, shall not be rubbed off.
Defacement Test –	not 1
Labels or unprinted materials <u>related products</u> are to be scraped back and forth ten times, in a smooth motion across printed areas and edges, with a downward force of $2.0\pm0.1$ lb ( $9\pm0.5$ N) using the edge of a 5/64±1/64in ( $2.0\pm0.4$ -mm) thick steel blade held at a right angle to the test	A label or <del>unprinted materials<u>related product</u>,</del> including overlamination or overprint coating, if present, shall remain in place and shall not be torn, uplifted, or otherwise damaged.
surface. The portion of the blade contacting the test surface shall have a radius of curvature of $1.0\pm0.05$ in (25.4 $\pm1.3$ ) and the edges of the blade shall be rounded to a radius of approximately 1/64 in (0.4 mm) so as not to be sharp <sup>be,f</sup>	Scratching or defacement of unprotected printing, either text or background, is not considered a non- compliance.
Adhesion Test (8.2)	
This test is to be conducted if it is possible to remove test strips from surfaces. If removal as described in $\underline{8.2}$ is not possible because of breaking, tearing, or excessive rigidity of the label <u>or related product</u> material, adhesion is to be determined by attempting to remove the entire	The average quantitative adhesion value shall not be less than 0.50 lb/inch (0.088 N/mm) width and the adhesion shall not be less than 0.10 lb/in (0.0175 N/mm) at any point. If it is not possible to separate test strips from the surface, the sample shall show good adhesion to the surface when removal by hand is attempted

<sup>b</sup> Labels intended to be mechanically affixed shall be evaluated by holding the label by hand or clamp on a flat test surface for support.

 $^{\rm c}$  The adhesion test is not applicable to labels intended to be mechanically affixed.

Test	Requirement
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<sup>e</sup> It is recommended that the blade be made of hardened stainless steel. The surface of the blade shall be smooth and inspected periodically for burrs, scratches or other surface imperfections. When these are noted, the blade shall be lightly sanded using extra or super fine sandpaper or steel wool to remove imperfections or replaced.

fromuseince <sup>f</sup> A blade with attached weight conforming to the description indicated has been found suitable for performing this test. It is recommended to place the blade with attached weight in a test fixture so that the blade can freely move back and forth in a straight line over the test sample.

### **4A Label Samples**

4A.1 Samples are to be representative of the construction of the label or related product to be tested. Significant construction variables such as top-surface or subsurface printing: top coating: face stock; overlamination or adhesive thickness range; partial adhesive coverage; differing thickness and types or colors of similar face stock or adhesive (for example, clear, pigmented, or metallized); alternative printing/imaging processes and inks (including presence or absence of floodcoating for subsurface printed constructions), imaging processes, and smooth or embossed release liners are to be represented in the samples provided.

4A.2 Printed/imaged samples are to be supplied with text in ink-colors representative of the intended use. For labels printed/imaged in a range of colors, samples shall be printed/imaged in black, blue, red, and yellow colors to represent the full range of colors that may be used. If metallized inks or other specialty inks are to be used, those colors are also to be provided. When certain colors (for example, orange, green, violet, or the like) are known to be susceptible to fading, bleeding, or the like, they are also to be provided. In cases where the face stock color is the same as the inktext color used to represent a range of colors, an alternative representative color may be used to represent the range.

4A.3 The individual layers of the label or related product (for example, face stock, adhesive) shall be examined visually and measured using a micrometer having a resolution of at least 0.00005 in (0.001 mm) and accurate to at least 0.0001 in (0.0025 mm) to verify they are representative of the label product JISE Inc. constant of material hot author to be tested. Any deviation from the manufacturer's specified nominal thickness shall be within the allowable tolerance specified in Table 4A.1.

### UL 985, Standard for Safety for Household Fire Warning System Units

### 1. New Glossary term for 'spread spectrum' and exceptions in 70.3, 71.2, and 72.1

### PROPOSAL

64.8.1 A primary battery is not prohibited from being used as the sole source of power for a low-power radio transmitter when all of the following conditions are met: a) The capacity of the sole

a) The capacity of the primary battery shall be monitored for integrity. The battery shall be monitored while loaded by: permission

1) Transmission of the transmitter; or

2) A load equivalent to the load imposed by transmission.

b) A required battery trouble status signal shall be transmitted to the receiver for a minimum of 7 days before the battery capacity of the transmitter has depleted to a level insufficient to maintain proper non-alarm operation of the transmitter. The battery trouble signal annunciation at the receiver/control unit is not prohibited from initially being delayed up to 4 hours. The battery trouble signal shall be retransmitted at intervals not exceeding four hours until the battery is replaced.

Exception: The requirement in 64.8.1(b) for repeating the battery trouble signal transmission every four hours is not applicable to devices that use bi-directional communication and use a medium access protocol such as, but not limited to listen-before-talk (LBT) or clear channel assessment (CCA).

70.3 The test is to be conducted in a noisy environment as described in 66.1 – 66.3.

Exception: The tests of Section 70, Error (Falsing) Rate, are not applicable to devices that use bidirectional communication and error detection methods such as, but not limited to, cyclic redundancy check (CRC) validation.

71.2 The throughput rate of the receiver is to be determined by utilizing the test procedure described for the error (falsing) rate, 70.2 and 70.3, except that only correct messages of each type are to be transmitted. The test results shall comply with Table 71.1. When the test results comply with the 100,000 signals completed row in Table 71.1, the test is only required to be conducted for 100,000 cycles rather than 1,000,000.

Exception: The tests of Section 71, Throughput Rate, are not applicable to devices that use spread spectrum technologies with bi-directional communication and using error-detection methods such as, but not limited to, CRC validation.

72.1 When required to increase the probability of an alarm or emergency signal reaching the receiver, an individual transmitter shall remain in the transmit mode for an interval in excess of that used for status reporting. When specified, the transmission shall be repeated periodically until the alarm or emergency condition is terminated if a maximum duty cycle of 15 percent averaged over a 1-minute interval is maintained.

Exception No. 1: Transmitters that are manually activated are exempt from this requirement.

Exception No. 2: The tests of Section 72, Maximum Duration of Transmission, are not applicable to devices that use bi-directional communication and use a medium access protocol such as, but not limited to, listen-before-talk (LBT) or clear channel assessment (CCA).

### UL 1023, Standard for Safety for Household Burglar-Alarm System Units

### 1. New Glossary term for 'spread spectrum' and exceptions in Sections 68, 69, and 70

### PROPOSAL

6.11A SPREAD SPECTRUM SYSTEMS – See definition in FCC CFR Title 47, Part 2, § 2.1(c).

ULSE INC. 68.4 The test is to be conducted in both a "radio guiet" and "radio noisy" environment as described in 63.2 - 63.4.

Exception: The tests of Section 68, Error (Falsing) Rate, are not applicable to devices that use bidirectional communication and error detection methods such as, but not limited to, cyclic redundancy check (CRC) validation.

69.3 The throughput rate of the receiver is to be determined by utilizing the test procedures described for the error (falsing) rate, 68.2 and 68.3, except that only correct signals of each type are to be transmitted. The test results shall comply with Table 69.1. The test may be conducted for 100,000 cycles rather than 1,000,000 if the test results comply with the 100,000 signals completed row in Table 69.1.

Exception No. 1: If the test results in the "Radio Noisy" environment comply with those corresponding missed signal specifications for the "Radio Quiet" environment in Table 69.1, the latter tests are waived and the unit is considered to comply with the requirements specified

Exception No. 2: The tests of Section 69, Throughput Rate, are not applicable to devices that use spread spectrum technologies with bi-directional communication and using error-detection methods such as, but not limited to, CRC validation.

70.1 To increase the probability of an alarm or emergency signal reaching the receiver, an individual transmitter may remain in the transmit mode for an interval in excess of that normally used for status reporting. Additionally, the transmission may be repeated periodically until the alarm or emergency condition is terminated, provided that a maximum duty cycle of 15 percent averaged over a 1-minute interval is maintained.

Exception No. 1: Transmitters that are manually-activated are exempt from this requirement.

Exception No. 2: The tests of Section 70, Maximum Duration of Transmission, are not applicable to devices that use bi-directiona communication and use a medium access protocol such as, but not limited to, listen-before-talk (LBT) or clear channel assessment (CCA). ULSE INC. CONVIENCED INSTERIO