



Technical Standards Program

ESTA Standards Watch

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Table of Contents

Earl Girls, Inc. Fundraising Challenge: Double the Impact of their \$50k donation!.....	1
Update to the Purple Guide: Chapter 28 - Working with the Police.....	2
ANSI public review announcements.....	2
Due 3 November 2024.....	2
Due 10 November 2024.....	2
Due 17 November 2024.....	2
Due 18 November 2024.....	3
Due 25 November 2024.....	5
Due 2 December 2024.....	7
Due 17 December 2024.....	7
BSI public review announcements.....	8
Due 19 November 2024.....	8
Due 9 December 2024.....	8
Due 18 December 2024.....	8
New ANS projects.....	8
Final actions on American National Standards.....	10
Draft IEC & ISO documents.....	10
Recently published ISO & IEC documents.....	12
ISO Proposal for a New Field of ISO Technical Activity - Ayurveda and Yoga.....	12
Editors.....	14
TSP meetings.....	14
Investors in Innovation, supporters of ESTA's Technical Standards Program.....	15

Earl Girls, Inc. Fundraising Challenge: Double the Impact of their \$50k donation!

During the fourth quarter of 2024, ESTA and Earl Girls, Inc. (EGI) invite industry professionals and supporters to take the EGI Challenge and join the Technical Standards Program (TSP) in advancing safety and innovation. With an ambitious fundraising goal of \$100,000 by December 31, 2024, the TSP aims to match a generous \$50,000 donation from Don Earl and Earl Girls, Inc.

The [Investors in Innovation](#) Program recognizes the many companies, individuals, and organizations whose financial contribution makes the technical standards effort possible. They understand that real innovation in technology requires vision, persistence, and the commitment to working together for common goals.

All donations amounts are welcome and will count toward the EGI Double Impact Challenge, but you must donate at least \$50 to have your name added to the Investors in Innovation list. Please consider a donation during the fourth quarter of 2024, and help the TSP double EGI's donation—**we are nearly halfway there, with \$23,810 raised since 1 October 2024!**

Update to the Purple Guide: Chapter 28 - Working with the Police

An addendum comprising specific guidance on how event organizers should deal with protests has been added to the UK Purple Guide. The Events Industry Forum is currently, comprehensively updating the Guide and will notify of new or revised chapters as they are added. For more information, visit <https://www.thepurpleguide.co.uk/index.php/the-purple-guide/110-28-working-with-the-police>.

ANSI public review announcements

The following documents have been announced for public review by ANSI and may be of material interest to *Standards Watch* readers. If you have comments on them, please send your comments before the deadline to the person indicated and to ANSI's Board of Standards Review at psa@ansi.org.

Due 3 November 2024

BSR/UL 588-202x, Standard for Safety for Seasonal and Holiday Decorative Products (revision of ANSI/UL 588-2023)

The following is being recirculated for your review: 1. Additional Standard References as Options for LED drivers
10. Consolidation of Class 2 and Battery-Operated Products
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>

Due 10 November 2024

BSR/ASHRAE Addendum 62.1f-202x, Ventilation and Acceptable Indoor Air Quality (addenda to ANSI/ASHRAE Standard 62.1-2022)

This proposed addendum improves the resiliency of a building by improving the ability to adjust ventilation quickly and easily in response to air-quality-related emergency conditions. It will add a requirement for the control system to include an Economizer Shutdown and a Ventilation Increase mode of operation that may be enabled in response to conditions such as nearby wildfires (Economizer Shutdown) or a pandemic (Ventilation Increase). It includes a requirement for an automatic return to normal operation based on a timer control to avoid accidentally leaving the systems in one of the emergency modes after the emergency situation has passed.

Send comments (copy psa@ansi.org) to: Online Comment Database at <https://www.ashrae.org/technicalresources/standards-and-guidelines/public-review-drafts>

BSR/RESNET/ICC 380-202x, Standard for Testing Airtightness of Building Enclosures, Airtightness of Heating and Cooling Air Distribution Systems, and Airflow of Mechanical Ventilation Systems (revision of ANSI/RESNET/ICC 380-2022)

The project is the triennial update to Standard ANSI/RESNET/ICC 380.

Send comments (copy psa@ansi.org) to: RESNET using the online form for the draft at <https://www.resnet.us/about/standards/standards-currently-out-for-public-comment/>, under link "ANSI Standards and Amendments Out For Public Comment"

BSR/UL 60335-2-34-202X, Household and Similar Electrical Appliances - Safety - Part 2-34: Particular Requirements for Motor-Compressors (national adoption of IEC 60335-2-34 with modifications and revision of ANSI/UL 60335-2-34-2017)

ULSE is proposing to adopt the 7th edition of UL 60335-2-34 which includes the 6th edition of IEC 60335-2-34 plus the North American national differences. This International Standard deals with the safety of sealed (hermetic and semi-hermetic type) motor-compressors, their protection and control systems, if any, which are intended for use in equipment for household and similar purposes.

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>

Due 17 November 2024

BSR/UL 486C-202x, Standard for Safety for Splicing Wire Connectors (revision of ANSI/UL 486C-2023)

Recirculation of the following balloted items: (1) Addition of Optional Testing for the Line Side of Service Qualification; (5) Revisions to Clarify Requirements Associated with Copper-Clad Aluminum.

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>

BSR/UL 1059-202x, UL Standard for Safety for Terminal Blocks (revision of ANSI/UL 1059-2022)

Recirculation of the following topic: 1. Expanded Provisions for Evaluating Current-Limiting Breakers for Short-Circuit Ratings

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

Due 18 November 2024

BSR/ASA S12.17-1996 (R202x), Impulse Sound Propagation for Environmental Noise Assessment (reaffirmation of ANSI/ASA S12.17-1996 (R2020))

This Standard describes engineering methods to calculate the propagation of high-energy impulsive sounds through the atmosphere for purposes of assessment of environmental noise. The methods yield estimates for the mean C weighted sound exposure level of impulsive sound at distances between the source and receiver ranging from 1 to 30 km. Equations to estimate the standard deviation about the mean C-weighted sound exposure levels are provided. The methods apply for explosive masses between 50 g and 1000 kg.

Single copy price: \$99.00

Obtain an electronic copy from: standards@acousticalsociety.org

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

BSR/ASA S12.19-1996 (R202x), Measurement of Occupational Noise Exposure (reaffirmation of ANSI/ASA S12.19-1996 (R2020))

The standard presents methods that can be used to measure a person's noise exposure received in a workplace. The methods have been developed to provide uniform procedures and repeatable results for the measurement of occupational noise exposure.

Single copy price: \$110.00

Obtain an electronic copy from: standards@acousticalsociety.org

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

BSR/ASTM WK82817-202x, Guide for Fencing and Other Perimeter Enclosures for Outdoor Sport and Recreational Activities Areas (new standard)

<https://www.astm.org/get-involved/technical-committees/ansi-review>

Single copy price: Free

Obtain an electronic copy from: accreditation@astm.org

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

BSR/ASTM F1791-2000 (R202x), Specification for Filters Used in Air or Nitrogen Systems (reaffirmation of ANSI/ASTM F1791-2000 (R2019))

<https://www.astm.org/get-involved/technical-committees/ansi-review>

Single copy price: Free

Obtain an electronic copy from: accreditation@astm.org

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

BSR/ASTM F2039-2000 (R202x), Guide for Basic Elements of Shipboard Occupational Health and Safety Program (reaffirmation of ANSI/ASTM F2039-2000 (R2018))

<https://www.astm.org/get-involved/technical-committees/ansi-review>

Single copy price: Free

Obtain an electronic copy from: accreditation@astm.org

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

BSR/ASTM F3286-2018 (R202x), Guide for Cybersecurity and Cyberattack Mitigation (reaffirmation of ANSI/ASTM F3286-2018)

<https://www.astm.org/get-involved/technical-committees/ansi-review>

Single copy price: Free

Obtain an electronic copy from: accreditation@astm.org

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

BSR/ASTM E8-202x, Test Methods for Tension Testing of Metallic Materials (revision of ANSI/ASTM E8/8M-2024)

<https://www.astm.org/get-involved/technical-committees/ansi-review>

Single copy price: Free

Obtain an electronic copy from: accreditation@astm.org

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

BSR/ASTM F3353-202x, Guide for Shipboard Use of Lithium-Ion (Li-ion) Batteries (revision of ANSI/ASTM F3353-2019)

<https://www.astm.org/get-involved/technical-committees/ansi-review>

Single copy price: Free

Obtain an electronic copy from: accreditation@astm.org

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

ANSI/ASTM F2154-2013 (R2019), Specification for Sound-Absorbing Board, Fibrous Glass, Perforated Fibrous Glass Cloth Faced (withdrawal of ANSI/ASTM F2154-2013 (R2019))

<https://www.astm.org/get-involved/technical-committees/ansi-review>

Single copy price: Free

Obtain an electronic copy from: accreditation@astm.org

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

BSR/AWI 0100-202x, Submittals (new standard)

Provide a standard for communicating interpretation of design intent of architectural woodwork and related interior finishes.

Single copy price: Free

Obtain an electronic copy from: <http://www.gotoawi.com/standards/awi0100.html>

Send comments (copy psa@ansi.org) to: <https://forms.gle/64zKDndMeEyuTMnL6>

BSR/NECA 407-202X, Standard for Installing and Maintaining Panelboards (revision of ANSI/NECA 407-2015)

This Standard describes installation and maintenance procedures for panelboards, and special procedures used for panelboards after adverse operating conditions such as a short-circuit, ground-fault, or immersion in water. This Standard applies to panelboards rated 600 Volts or less, AC and DC, with main disconnects or lugs, and with feeder or branch circuit overcurrent devices. This Standard applies to single panelboards and multi-section panelboards that are installed in the field and used for distributing power for commercial, institutional, and industrial loads in nonhazardous locations both indoors and outdoors.

Single copy price: \$30.00 (Members); \$60.00 (Non-Members)

Obtain an electronic copy from: jeff.noren@necanet.org

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

BSR NEMA MG 0001-2024-202x, Motors and Generators (revision and redesignation of ANSI NEMA MG 1-2022)

This standard provides practical information concerning performance, safety, test, construction, and manufacture of alternating-current and direct-current motors and generators within the product scopes defined in the applicable section or sections of this publication. Although some definite-purpose motors and generators are included, the standards do not apply to machines such as generators and traction motors for railroads, motors for mining locomotives, arc-welding generators, automotive accessory and toy motors and generators, machines mounted on airborne craft, etc.

Single copy price: \$784.00

Send comments (copy psa@ansi.org) to: Michael Leibowitz <mike.leibowitz@nema.org>

BSR ICEA T-24-380-202x , Partial Discharge Test Procedure (reaffirmation of ANSI/ICEA T-24-380-2013 (R2019))

This Factory Test Procedure applies to the detection and measurement of partial discharges occurring in the following types of solid dielectric cables:

1.1 Single Conductor Cables: Single conductor shielded cables and assemblies thereof. 1.2 Multiple Conductor Cables: Multiple conductor cables with individually shielded conductors within an outer covering.

Single copy price: \$92.00

Obtain an electronic copy from: communication@nema.org

Send comments (copy psa@ansi.org) to: Khaled Masri <Khaled.Masri@nema.org>

BSR/PMI-08-003-2017 (R202x), The Standard for Portfolio Management - Fourth Edition (reaffirmation of ANSI/PMI-08-003-2017)

The Standard for Portfolio Management provides a principle-based approach, making it applicable to a broad range of organizations, regardless of project delivery approach, and expands the description of portfolio management to reflect its relation to organizational project management and the organization.

Single copy price: Free

Obtain an electronic copy from: <https://publiccomment.pmi.org/>

Send comments (copy psa@ansi.org) to: lorna.schee@pmi.org

BSR/UL 60745-2-2-2014 (R202x), UL Standard for Safety for Hand-Held Motor-Operated Electric Tools - Safety - Part 2-2: Particular Requirements for Screwdrivers and Impact Wrenches (reaffirmation of ANSI/UL 60745-2-2-2014 (R2019))

Reaffirmation and continuance of the Second Edition of the Standard for Safety for Hand-Held Motor-Operated Electric Tools – Safety – Part 2-2: Particular Requirements for Screwdrivers and Impact Wrenches, UL 60745-2-2, as an American National Standard.

Single copy price: Free

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

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

BSR/UL 2743-202x, Standard for Safety for Portable Power Packs (revision of ANSI/UL 2743-2023)

Several improvements and updates have been proposed to the Standard for Safety for Portable Power Packs, ANSI/UL 2743. These proposals include updated references, additional terminology, revisions to tests, clarifications to requirements, and additional battery requirements.

Single copy price: Free

Obtain an electronic copy from: <https://csds.ul.com/ProposalAvailable>

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>

Due 25 November 2024

BSR/ASME BPVC Section II-202x, Part C - Specifications for Welding Rods, Electrodes, and Filler Metals (revision of ANSI/ASME BPVC Section II-2023)

Section II, Part C, contains material specifications, most of which are identical to corresponding specifications published by AWS and other recognized national or international organizations. All adopted specifications are either reproduced in the Code, where permission to do so has been obtained from the originating organization, or so referenced, and information about how to obtain them from the originating organization is provided.

Single copy price: Free

Obtain an electronic copy from: <https://cstools.asme.org/csconnect/PublicReviewPage.cfm>

Send comments (copy psa@ansi.org) to: Ray Rahaman, ansibox@asme.org

BSR/AWS J1.1M/J1.1-202x, Specification for Resistance Welding Controls (new standard)

This standard provides nomenclature pertaining to the design, construction, and programming of resistance welding controls. Standard calibration and performance parameters as well as labeling and documentation requirements are also outlined. The purpose is to promote standardization, safety, and proper application of resistance welding controls.

Single copy price: \$30.00 (Members); \$40.00 (Nonmembers)

Obtain an electronic copy from: acelaya@aws.org

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

BSR/ASSE/IAPMO Series 16000 (R202x), Professional Qualifications Standard for Inspectors and Plans Examiners (reaffirmation of ANSI/ASSE Series 16000-2019)

The purpose of this standard is to provide minimum performance criteria, identified by industry consensus, for Plumbing Inspectors, Mechanical System Inspectors, Plumbing Plan Examiners, and Mechanical Plan Examiners for both residential and commercial applications to ensure compliance with the referenced standards and codes.

Single copy price: Free

Obtain an electronic copy from: standards@iapmostandards.org

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

BSR ICC A117.1-202x, Standard for Accessible and Usable Buildings and Facilities (revision of ANSI/ICC A117.1-2017)

Site design and architectural features affecting the accessibility and usability of buildings and facilities, consideration to be given to all types of physical and sensory disabilities, to publicly used buildings and facilities, and to residential structures.

Single copy price: Free

Obtain an electronic copy from: <https://www.iccsafe.org/icc-asc-a117-1/>

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

BSR/C137.9-2024-202x, Standard for Lighting Systems Network Lighting Control Systems Configuration Report (new standard)

This standard defines a Configuration Report generated by a Networked Lighting Control (NLC) system, giving stakeholders the ability to quickly understand how the NLC system is configured when the report is generated. This standard is limited to NLC systems intended for Interior use with luminaire or zone level wattage data availability. Room-based systems that are designed to control lighting only of a single room or space are excluded from the scope of this standard; however, such systems that are part of larger building systems may have all the elements needed to meet this standard and can be optionally declared as compliant. The report is exportable to a common format.

Single copy price: \$100.00

Obtain an electronic copy from: michael.erbesfeld@nema.org

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

BSR/NFPA 12-202x, Standard on Carbon Dioxide Extinguishing Systems (revision of ANSI/NFPA 12-2018)

Portable carbon dioxide equipment is covered in NFPA 10. The use of carbon dioxide for inerting is covered in NFPA 69. This standard contains minimum requirements for carbon dioxide fire-extinguishing systems. This standard includes only the necessary essentials to make it workable in the hands of those skilled in this field.

Obtain an electronic copy from: www.nfpa.org/12Next

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

BSR/NFPA 909-202x, Code for the Protection of Cultural Resource Properties - Museums, Libraries, and Places of Worship (revision of ANSI/NFPA 909-2021)

This code describes principles and practices of protection for cultural resource properties (including, but not limited to, museums, libraries, and places of worship), their contents, and collections, against conditions or physical situations with the potential to cause damage or loss. This code covers ongoing operations and rehabilitation and acknowledges the need to preserve culturally significant and character-defining building features and sensitive, often irreplaceable, collections and to provide continuity of operations. Principles and practices for life safety in cultural resource properties are outside the scope of this code. Where this code includes provisions for maintaining means of egress and controlling occupant load, it is to facilitate the evacuation of items of cultural significance, allow access for damage limitation teams in an emergency, and prevent damage to collections through overcrowding or as an unintended consequence of an emergency evacuation. A. Cultural resource properties should comply with the provisions of NFPA 101, Life Safety Code. Library and museum collections that are privately owned and not open to the public shall not be required to meet the requirements of this code.

Obtain an electronic copy from: www.nfpa.org/909Next

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

BSR/NFPA 1955-202x, Standard on Surface Water Operations Protective Clothing and Equipment and Protective Ensembles for Contaminated Water Diving (revision, redesignation and consolidation of NFPA 1952 and NFPA 1953)

This standard provides minimum design, performance, testing, and certification requirements for the following: (1) New protective clothing and equipment items, including full body suits, helmets, gloves, footwear, and personal flotation devices designed to provide limited protection from physical, environmental, thermal, and certain common chemical and biological hazards for emergency services personnel during surface water operations; (2) New protective clothing and equipment items, including dry suits, dry suit gloves, and dry suit footwear designed to provide limited protection from physical, environmental, and certain chemical and biological hazards that are listed herein for emergency services personnel during contaminated water dive operations. This standard shall specify requirements for protective clothing and protective equipment used during operations in contaminated water dive operations.

Obtain an electronic copy from: www.nfpa.org/1955Next

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

Due 2 December 2024

BSR/ASABE S642-SEPT2018 (R202x), Recommended Methods for Measurement and Testing of LED Products for Plant Growth and Development (reaffirmation of ANSI/ASABE S642-SEPT2018)

This document describes methods for measurement and testing of LED packages and arrays or modules, LED lamps, and any other LED optical radiation devices, with a spectral range between 280 nm and 800 nm, used for plant growth and development. These methods are necessary to obtain information about device characteristics and long-term change behaviors.

Single copy price: Free

Obtain an electronic copy from: wall@asabe.org

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

BSR/ASSP A10.2-202X, Safety, Health and Environmental Training for the Construction and Demolition Operations (new standard)

This standard establishes best practices in safety, health, and environmental training for the construction industry.

Single copy price: \$125.00

Obtain an electronic copy from: Tim Fisher <tfisher@assp.org>

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

BSR/UL 62841-2-7-202x, Standard for Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 2-7: Particular requirement for hand-held spray guns (identical national adoption of IEC 62841-2-7)

Proposed adoption of the First Edition of IEC 62841-2-7, Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery – Safety – Part 2-7: Particular requirement for hand-held spray guns, as the First Edition of UL 62841-2-7.

Single copy price: Free

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

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

BSR/UL 514D-202x, Cover Plates for Flush-Mounted Wiring Devices (revision of ANSI/UL 514D-2023)

Increase wire range from 14-12 awg to 14-10 awg to assure functionality with devices connected to 10awg Copper Clad wire 2. Revisions proposed by CSA

Single copy price: Free

Obtain an electronic copy from: <https://csds.ul.com/ProposalAvailable>

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>"

Due 17 December 2024

BSR/ASME Y14.35-202x, Revision of Product Definition Data Sets (revision of ANSI/ASME Y14.35-2014 (R2019))

This Standard defines the practices for revising product definition data sets and documents, data files, or both within those data sets. This Standard also establishes methods for identification and recording revisions. The revision practices of this Standard apply to any form of original document or data file.

Single copy price: Free

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

Send comments (copy psa@ansi.org) to: Fred Constantino, ansibox@asme.org

BSI public review announcements

The following draft British Standards document has been announced for public review by BSI and may be of material interest to Standards Watch readers. The list includes National British Standards in development and National Adoptions of existing standards. Submit comments online, before the comment deadline, using BSI's Standards Development Portal. Registration is free of charge at <https://standardsdevelopment.bsigroup.com/>.

Due 19 November 2024

BS EN 481 EN 481 Workplace exposure. Size fraction definitions for measurement of airborne particles

This document defines sampling conventions for airborne particle size fractions for use in assessing the health relevant exposure from inhalation of particles in the workplace. Conventions are defined for the inhalable, thoracic and respirable fractions. The sampling conventions only describe the inhalation of particles and their penetration in the respiratory tract as governed by inertia (impaction). Deposition in the respiratory tract by other mechanisms, e.g. diffusion, is not considered in this document. The sampling conventions defined in this document apply to both indoor and outdoor workplaces.

Due 9 December 2024

BS 7212 Safe use of construction hoists – Code of practice

This British Standard gives recommendations for the installation, maintenance, examination and operation of construction hoists, including hoistway protection, and on the management of these activities. It provides recommendations for the selection, planning, siting, erection, alteration and dismantling of hoists. It also sets out the responsibilities of the various parties involved in all these activities.

This British Standard is applicable to temporarily installed, powered construction hoists, having a carrier, the movement of which is restricted or guided by one or more masts.

Due 18 December 2024

BS 8450 Installation of electrical and electronic equipment in ships - Code of practice

This British Standard gives recommendations for the design, installation and maintenance of electrical equipment for the generation, storage, conversion, distribution and utilization of electrical energy for all purposes in ships of all descriptions, including, where relevant, inland and harbour craft.

New ANS projects

ANSI has announced the following new projects that might materially affect *Standards Watch* readers—or at least be interesting. Contact the developer if you (a) want to be involved in a project, (b) object to a project and wish it to be abandoned, or (c) if you would like to point out that a scope is covered by an existing standard, thereby possibly making a project redundant or conflicting.

BSR/NCMA ASD 1-2019 (R202x), Contract Management Standard (reaffirmation of ANSI/NCMA ASD 1-2019 (R2022))

The Contract Management Standard (CMS) reflects the combined knowledge of government and commercial buyers and sellers, as well as academicians, regulatory authorities, and consultants. The CMS is intended to be applied by contract managers using the judgment required to adapt to any unique circumstances of the reader. Consequently, the CMS provides guidance to the practice of contract management without restricting technological advancement or freedom to operate. The CMS describes the nature of contract management in terms of the contract management processes created through the integration and interaction of job tasks and

competencies, and the purposes they serve. For more information, contact John Wilkinson, jlwilkinson@thinc-llc.com.

BSR/PLATO FL 1-202x, Flashlight Basic Performance Standard (revision of ANSI/PLATO FL 1-2019)

The ANSI/PLATO FL1 standard covers basic performance requirements for hand-held, portable flashlights, spotlights, headlamps and area lights. It includes relevant definitions, test methods and marking requirements in order to establish minimum performance for these consumer devices. For more information, contact Matthew Law, MattLaw@coastportland.com.

BSR/AWS G2.6M/G2.6-202x, Guide for the Welding and DED Additive Manufacturing (AM) of Tool Steels Exposed to High Temperatures (new standard)

The purpose of this standard is to develop recommended practices for welding and Directed Energy Deposition (DED) additive manufacturing of tool steels exposed to high temperatures widely used to make die casting dies, forging dies, hot forming dies, and high temperature molds used in forging and casting operations. DED AM uses fusion welding processes (arc, laser, and electron beam) to digital manufacture or repair. It will provide recommendations for tool steel alloys, substrate base materials, electrode/rod/wire consumables, fusion welding and DED AM processes, AM build methods, and heat treatment. It will also focus on process derivatives using electrode/rod/wire consumables rather than powder since use of the latter is not core to AWS standards. For more information, contact Stephen Borrero <sborrero@aws.org>.

BSR/NAAMM MBG 533-2X-202X, Welding Standards for Fabrication of Steel, Stainless Steel and Aluminum Bar Grating (revision of ANSI/NAAMM MBG 533-2021)

This welding standard is being revised by the MBG Division of NAAMM to provide the most current opinions and guidance for architects and engineers. This is supported by current technical data on bar grating and stair treads. For more information, contact Ike Flory <ifnaamm@gmail.com>.

BSR/NAAMM MBG 534-2X-202x, Metal Bar Grating Engineering Design Manual (revision of ANSI/NAAMM MBG 534 -2024)

This design manual is being revised by the MBG Division of NAAMM to provide opinion and guidance on the procedures used in design calculations for metal bar grating. For more information, contact Ike Flory <ifnaamm@gmail.com>.

BSR/Z245.23-202x, Stationary Compactors - Uncontrolled public access compactors (new standard)

Technology has progressed to enable compactors to be built smaller and placed in uncontrolled access areas that enables the public to use them. The new standard will address the safety features and differentiate compactors meant to be used in uncontrolled public areas and controlled industrial areas. For more information, contact Kirk Sander <ksander@wasterecycling.org>.

BSR/RESOLVE RES-005-202x, Reusable packaging systems design standard: System operation and performance (new standard)

This standard specifies requirements and recommendations for operators of reusable packaging systems. The document provides a set of requirements that are intended to help the organization that coordinates the movement of reusable containers through open or closed loops, including coordinating actors involved in container collection, transport, sorting, washing, redistribution, and/or digital tracking. For more information, contact Hannah Alday <halday@resolve.ngo>.

BSR/USEMCSC C63.27-Corrigendum 1-202x, Standard for Evaluation of Wireless Coexistence – Corrigendum 1 (revision of ANSI C63.27-2021)

This corrigendum will correct an error in Annex A of C63.27-2021 that appears to limit specifications of the unintended signal. It will also correct wording in Annex A that leads some readers to believe that other parts of the standard can be disregarded. Current recommendations require the user to generate a custom signal that can be overly burdensome. This corrigendum will make clear what the recommendations are, including the use of existing test signals standardized by others (e.g., 3GPP). For more information, contact Jennifer Santulli <j.santulli@ieee.org>.

Final actions on American National Standards

The documents listed below may be of interest to Standards Watch readers and have been approved by the ANSI Board of Standards Review or by an ANSI-Audited Designator on the date noted. "Final actions" means "done for now." No standard is ever finished. Contact the developer listed for more information.

ANSI/UL 2108-2024, Standard for Safety for Low Voltage Lighting Systems (revision of ANSI/UL 2108-2023) Final Action Date: 27 Sept 2024 | Revision. Tony.Partridge@ul.org, <https://ulse.org/>

ANSI/ASHRAE Addendum bx to ANSI/ASHRAE Standard 135-2020, BACnet - A Data Communication Protocol for Building Automation and Control Networks (addenda to ANSI/ASHRAE Standard 135-2020) Final Action Date: 9/30/2024 | Addenda. mweber@ashrae.org, www.ashrae.org

ANSI/ASHRAE Addendum ci to ANSI/ASHRAE Standard 135-2020, BACnet - A Data Communication Protocol for Building Automation and Control Networks (addenda to ANSI/ASHRAE Standard 135-2020) Final Action Date: 30 Sept 2024 | Addenda. mweber@ashrae.org, www.ashrae.org

ANSI/ASHRAE Addendum cj to ANSI/ASHRAE Standard 135-2020, BACnet - A Data Communication Protocol for Building Automation and Control Networks (addenda to ANSI/ASHRAE Standard 135-2020) Final Action Date: 30 Sept 2024 | Addenda. mweber@ashrae.org, www.ashrae.org

ANSI/ASHRAE Addendum co to ANSI/ASHRAE Standard 135-2020, BACnet - A Data Communication Protocol for Building Automation and Control Networks (addenda to ANSI/ASHRAE Standard 135-2020) Final Action Date: 30 Sept 2024 | Addenda. mweber@ashrae.org, www.ashrae.org

ANSI/ASME A17.4-2015 (R2024), Guide for Emergency Personnel (reaffirmation of ANSI/ASME A17.4-2015) Final Action Date: 4 Oct 2024 | Reaffirmation. ansibox@asme.org, www.asme.org

ANSI C82.77-10-2024, Lighting Equipment - Harmonic Emission Limits - Related Power Quality Requirements (revision of ANSI C82.77-10-2021) Final Action Date: 30 Sept 2024 | Revision. Michael.Erbesfeld@nema.org, www.nema.org

ANSI/UL 1072-2024a, Standard for Safety for Medium-Voltage Power Cables (revision of ANSI/UL 1072-2024) Final Action Date: 2 Oct 2024 | Revision Marcia.M.Kawate@ul.org, <https://ulse.org/>

ANSI/IES RP-40-19 (R24), Recommended Practice: Lighting Port Terminals (reaffirmation of ANSI/IES RP-40-19) Final Action Date: 9 Oct 2024 | Reaffirmation. pmcgillicuddy@ies.org, www.ies.org

ANSI NEMA WC 66/ICEA S-116-732 (R2024), Standard for Category 6 and 6A, 100 Ohm, Individually Unshielded Twisted Pairs, Indoor Cables (with or without an Overall Shield) for Use in LAN Communication Wiring Systems (reaffirmation of ANSI/NEMA WC 66/ICEA S-166-732-2019) Final Action Date: 10/9/2024 | Reaffirmation. Khaled.Masri@nema.org, www.nema.org

ANSI/NISO Z39.96-2024, JATS: Journal Article Tag Suite (1.4) (revision of ANSI/NISO Z39.96-2021) Final Action Date: 9 Oct 2024 | Revision. kbailey@niso.org, www.niso.org

ANSI/UL 1029-2024, Standard for High-Intensity-Discharge Lamp Ballasts (revision of ANSI/UL 1029-2012 (R2022)) Final Action Date: 11 Oct 2024 | Revision. mitchell.gold@ul.org, <https://ulse.org/>

Draft IEC & ISO documents

This section lists documents reported in ANSI's *Standards Action* that the IEC or the ISO or both are considering for approval and that may be of interest to *Standards Watch* readers. Anyone interested in reviewing and commenting should order a copy from their national representative and submit their comments through them. Comments from US citizens on ISO documents must be sent to ANSI's ISO Team (isot@ansi.org), and must be

submitted electronically in the approved ISO template as a Word document. US comments on IEC documents should be sent to Tony Zertuche, General Secretary, USNC/IEC, at ANSI's New York offices (tzertuche@ansi.org). ISO and IEC Drafts can be made available by contacting ANSI's Customer Service department, sales@ansi.org.

46F/678/CD, IEC TS 61169-1-7 ED1: Radio-frequency connectors - Part 1-7: Electrical test methods – Uncertainty specification of frequency domain test for insertion loss, 22 Nov 2024

34/1258/FDIS, IEC 62386-105 ED2: Digital addressable lighting interface - Part 105: Particular requirements for control gear and control devices - Firmware transfer, 08 Nov 2024

78/1479/DTR, IEC TR 63491 ED1: Live working - Guidance for end users for the selection of personal protective equipment against the hazards of an electric arc, 22 Nov 2024

ISO/DIS 15801, Document management - Electronically stored information - Requirements for trustworthiness and reliability – 20 Dec 2024, \$107.00

ISO 7010:2019/DAmD 147, - Amendment 1: Graphical symbols - Safety colours and safety signs - Registered safety signs - Amendment 147: Safety sign E076: Evacuation equipment – 21 Dec 2024, \$29.00

ISO 7010:2019/DAmD 151, - Amendment 1: Graphical symbols - Safety colours and safety signs - Registered safety signs - Amendment 151: Safety sign P080: No access for unauthorized persons – 21 Dec 2024, \$29.00

ISO 7010:2019/DAmD 143, - Amendment 1: Graphical symbols - Safety colours and safety signs - Registered safety signs - Amendment 143: Safety sign E072: Safe anchorage point – 21 Dec 2024, \$29.00

ISO 7010:2019/DAmD 148, - Amendment 1: Graphical symbols - Safety colours and safety signs - Registered safety signs - Amendment 148: Safety sign M068: Lock mechanical moving parts - 12/21/2024, \$29.00

ISO 7010:2019/DAmD 150, - Amendment 1: Graphical symbols - Safety colours and safety signs - Registered safety signs - Amendment 150: Safety sign M072: Use decontamination shower – 21 Dec 2024, \$29.00

ISO 7010:2019/DAmD 145, - Amendment 1: Graphical symbols - Safety colours and safety signs - Registered safety signs - Amendment 145: Safety sign E074: Emergency rations – 21 Dec 2024, \$29.00

ISO 7010:2019/DAmD 146, - Amendment 1: Graphical symbols - Safety colours and safety signs - Registered safety signs - Amendment 146: Safety sign E075: Lifeguard – 21 Dec 2024, \$29.00

ISO 7010:2019/DAmD 149, - Amendment 1: Graphical symbols - Safety colours and safety signs - Registered safety signs - Amendment 149: Safety sign M069: Tools must be tethered – 21 Dec 2024, \$29.00

ISO 7010:2019/DAmD 144, - Amendment 1: Graphical symbols - Safety colours and safety signs - Registered safety signs - Amendment 144: Safety sign E073: Emergency descent device – 21 Dec 2024, \$29.00

ISO/DGuide DIS 84, Guidelines for addressing climate change in standards – 19 Dec 2024, \$134.00

40/3178/FDIS, IEC 62813 ED2: Lithium ion capacitors for use in electric and electronic equipment - Test methods for electrical characteristics, 15 Nov 2024

ISO/DIS 29997, Internships - Quality guidelines for host organizations – 29 Dec 2024, \$62.00

18/1913/CDV, IEC 60092-302-2 ED2: Electrical installations in ships - Part 302-2: Low voltage switchgear and controlgear assemblies - Marine power, 03 Jan 2025

34D/1743/CDV, IEC 60598-2-1 ED3: Luminaires - Part 2-1: Particular requirements - Fixed general purpose luminaires, 03 Jan 2025

34D/1744/CDV, IEC 60598-2-2 ED5: Luminaires - Part 2-2: Particular requirements - Recessed luminaires and recessed air-handling luminaires, 03 Jan 2025

35/1571(F)/FDIS, IEC 60086-4 ED6: Primary batteries - Part 4: Safety of lithium batteries, 25 Oct 2024

25/811/FDIS, IEC 80000-13 ED2: Quantities and units - Part 13: Information science and technology, 22 Nov 2024

Recently published ISO & IEC documents

Listed here are documents recently approved by the ISO or IEC and listed in ANSI's *Standards Action* that may be of use or interest to *Standards Watch* readers. Prices shown are for purchases from the [ANSI Webstore](#).

ISO/TR 8124-8:2024, Safety of toys - Part 8: Age determination - First age grade for the appropriate play of toys, \$194.00

ISO 18893:2024, Mobile elevating work platforms – Safety principles, inspection, maintenance and operation, \$194.00

ISO 31031:2024, Managing risk for youth and school trips, \$223.00

ISO 6531:2024, Machinery for forestry - Portable chain-saws - Vocabulary, \$81.00

IEC 63391 Ed. 1.0 en:2024, Active millimetre-wave systems for security screening of humans - General requirements, \$193.00

ISO 13997:2024, Protective clothing - Mechanical properties - Determination of resistance to cutting by sharp objects, \$166.00

ISO 24232:2024, Protective clothing - Protection against rain, \$81.00

ISO 22336:2024, Security and resilience – Organizational resilience - Guidelines for resilience policy and strategy, \$166.00

ISO 11334-4:2024, Assistive products for walking, manipulated by one arm - Requirements and test methods - Part 4: Walking sticks with three or more legs, \$124.00

CISPR/TR 16-4-6 Ed. 1.0 en:2024, Specification for radio disturbance and immunity measuring apparatus and methods - Part 4-6: Uncertainties, statistics and limit modelling – Statistics on radio frequency interference (RFI) and verification by measurements in the field, \$303.00

ISO Proposal for a New Field of ISO Technical Activity - Ayurveda and Yoga

BIS, the ISO member body for India, has submitted to ISO a proposal for a new field of ISO technical activity on Ayurveda and Yoga, with the following scope statement: Standardization in the field of Ayurveda and Yoga. Both traditional and modern aspects of products and services of these systems are covered. The committee will focus on following fields including but not limited to Terminology; Quality and Safety of ingredients, extracts, finished products, Ayurveda based dietary supplements and nutraceuticals, Ayurveda Pharmaceutical equipment and procedures; Health and Wellness service requirements; Health Assessment tools/equipment; Rejuvenative procedures and tools/equipment /devices; Yoga accessories, Yoga props and common yoga protocol practices.

Excluded: Standardization covered by:

- ISO/TC 54 - Essential oils
- ISO/TC 215 - Health Informatics

- ISO/TC 249 - Traditional Chinese Medicine

Anyone wishing to review the proposal can request a copy by contacting ANSI's ISO Team (isot@ansi.org), with a submission of comments to Steve Cornish (scornish@ansi.org) by close of business on Friday, November 15, 2024.

ESTA Standards Watch

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If you would like to receive an email notice each time a new edition of *Standards Watch* is published, send a request to standards@esta.org. Find back issues at <http://estalink.us/nn7a1>.

TSP meetings

Visit <https://tsp.esta.org/tsp/meetings/index.php> for the latest meeting schedule and a “Reserve a Hotel Room” link. Visit <https://esta.org/flyunited> for discounted flights on United Airlines. All the meetings listed directly below will be at the DFW Marriott in bucolic Westlake, Texas. The times are CDT.

Wednesday 23 October 2024	19:00 – 23:00	BSR E1.37-4 Firmware Updates Task Group
Thursday 24 October 2024	09:00 – 23:00	Plugfest
	09:00 – 13:00	BSR E1.77: sACN Security Task Group
	10:00 – 14:00	Weapons Safety Working Group
	14:00 – 18:00	BSRE1.37-8 IPv4/v6 RDM Config Messages Task Group
	15:00 – 16:00	Photometrics Working Group
Friday 25 October 2024	09:00 – 23:00	Plugfest
	09:00 – 13:00	BSR E1.73: NextGen-Uniform Device Representation (UDR) Task Group
	10:00 – noon	Electrical Power Working Group
	14:00 – 18:00	BSR E1.73: NextGen-Uniform Device Representation (UDR) Task Group
	13:00 – 15:00	Event Safety Working Group
	16:00 – 18:00	Stage Machinery Working Group
Saturday 26 October 2024	09:00 – 23:00	Plugfest
	09:00 – 13:00	Control Protocols Working Group
	14:00 – 18:00	BSR E1.33 RDMnet
	14:00 – 18:00	Rigging Working Group
Sunday 27 October 2024	09:00 – 23:00	Plugfest
	09:00 – 13:00	NextGen Overall/Transport Task Group
	09:00 – 13:00	Technical Standards Council
	14:00 – 18:00	BSR E1.37-7 RDMnet Messages

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