



ESTA Standards Watch

July 2023 Volume 27, Number 13

Table of Contents

Powered floor machinery standard in public review.....	1
WTO Technical Barrier to Trade notifications.....	1
European Union Notification EU/990.....	2
Kingdom of Saudi Arabia Notification SAU/1290.....	2
The State of Kuwait Notification KWT/636.....	2
The State of Kuwait Notification KWT/637.....	3
Canada Notification CAN/702.....	3
ANSI public review announcements.....	4
Due 14 August 2023.....	4
Due 21 August 2023.....	4
Due 5 September 2023.....	5
CSA public review announcements.....	5
Due 19 August 2023.....	5
Due 26 August 2023.....	6
New ANS projects.....	6
Final actions on American National Standards.....	9
Draft IEC & ISO documents.....	9
Recently published ISO & IEC documents.....	10
TSP meeting schedule.....	11
Editors.....	11
Investors in Innovation, supporters of ESTA's Technical Standards Program.....	12

Powered floor machinery standard in public review

BSR E1.72, Powered Floor Machinery, is in public review through the month of July. Check it out at <http://estalink.us/pr>. The time for submitting comments is over when August starts.

BSR E1.72 establishes requirements for the design, manufacture, installation, inspection, operation, and maintenance of powered stage floor machinery for performance, presentation, and theatrical production. It addresses the machinery, mechanisms, machine safety devices, and control interface requirements for equipment and systems, installed permanently or temporarily. Examples include but are not limited to: wagons, turntables, treadmills, slip stages, and trap covers. This standard does not apply to the structure to which the machine is attached nor the finished floor including its subflooring construction. Machines that produce substantially vertical movement, such as lifts, are excluded from this standard.

WTO Technical Barrier to Trade notifications

The World Trade Organization has announced Technical Barrier to Trade filings that may be of interest to *Standards Watch* readers. If you have a problem with a TBT, you can protest through your representative to the World Trade Organization.

European Union Notification EU/990

Notification date: 30 June 2023

Agency responsible: European Commission, grow-eu-tbt@ec.europa.eu, <http://ec.europa.eu/growth/tools-databases/tbt/en/>

Products covered: Electrical and electronic equipment

Title: Draft Commission Delegated Directive amending Directive 2011/65/EU of the European Parliament and of the Council as regards an exemption for cadmium and lead in plastic profiles in electrical and electronic windows and doors containing recovered rigid polyvinyl chloride (8 pages and two pages in English)

Description of content: This draft Commission Delegated Directive concerns applications for a specific and temporary exemption from the RoHS (Directive 2011/65/EU) substance restrictions. The criteria for a new exemption are met and it is proposed to grant a time-limited exemption in Annex III of that Directive.

Objective and rationale: Adaptation of the Annexes to scientific and technical progress in order to allow innovation without compromising the objectives in Article 1 of the Directive 2011/65/EU; Protection of human health or safety; Protection of the environment

Relevant documents: A scientific background study evaluating the specific exemption is available at

<https://op.europa.eu/en/publication-detail/-/publication/e8c8a008-3e99-11e7-a08e-01aa75ed71a1>

Directive 2011/65/EU of the European Parliament and of the Council of 8 June 2011 on the restriction of the use of certain hazardous substances in electrical and electronic equipment: <http://eur-lex.europa.eu/legal-content/EN/TXT/?qid=1438768100804&uri=CELEX:32011L0065>

Proposed date of adoption: September 2023

Proposed date of entry into force: 20 days from publication in the Official Journal of the EU (about three months after adoption approximately)

Final date for comments: 60 days from notification, 29 August 2023

Full text: <http://ec.europa.eu/growth/tools-databases/tbt/en/>

https://members.wto.org/crnattachments/2023/TBT/EEC/23_10649_00_e.pdf

https://members.wto.org/crnattachments/2023/TBT/EEC/23_10649_01_e.pdf

Kingdom of Saudi Arabia Notification SAU/1290

Notification date: 4 July 2023

Agency responsible: Saudi Standards, Metrology and Quality Organization (SASO), enquiry@sas.gov.sa

Products covered: Electromagnetic compatibility (EMC)

Title: Draft of the Technical Regulations for Electromagnetic Compatibility (27 pages in Arabic)

Description of content: Terms and Definitions, Scope, Objectives, Supplier Obligations, Labelling, Conformity Assessment Procedures, Responsibilities of Regulatory Authorities, Responsibilities of Market Surveillance Authorities, Violations and Penalties, General Provisions, Transitional Provisions, Appendix (lists of standards, Supplier Declaration of Conformity Form and Internal production control).

Objective and rationale: Prevention of deceptive practices and consumer protection; Protection of human health or safety

Relevant documents: Annex (1) list of related standards, page 12.

Proposed date of adoption: To be determined

Proposed date of entry into force: After six months from published in official gazette

Final date for comments: 60 days from notification, 2 September 2023

Full text: https://members.wto.org/crnattachments/2023/TBT/SAU/23_10774_00_x.pdf

The State of Kuwait Notification KWT/636

Notification date: 10 July 2023

Agency responsible: Public Authority for Industry Standards and Metrology Department (KOWSMD), Enquiry_point@pai.gov.kw, <http://www.pai.gov.kw/>

Products covered: All products fall under scope of "ENERGY EFFICIENCY, FUNCTIONALITY AND LABELLING REQUIREMENTS FOR LIGHTING PRODUCTS - PART 1" (ICS 91.160.01) Lighting in general.

Title: "ENERGY EFFICIENCY, FUNCTIONALITY AND LABELLING REQUIREMENTS FOR LIGHTING PRODUCTS - PART 1" (40 pages in English)

Description of content: This Kuwait Technical Regulation specifies the requirements of Safety, Electromagnetic compatibility, Performance, Functionality requirements, Marking requirements, Energy efficiency requirements and Hazardous chemicals requirements.

Objective and rationale: Consumer safety and energy saving

Relevant documents: SASO 2870:2018 (ENERGY EFFICIENCY, FUNCTIONALITY AND LABELLING REQUIREMENTS FOR LIGHTING PRODUCTS - PART 1)

Proposed date of adoption: 30 days from final date for comments

Proposed date of entry into force: 6 months from adoption

Final date for comments: 60 days from notification, 8 September 2023

Full text: https://members.wto.org/crnattachments/2023/TBT/KWT/23_10905_00_e.pdf

The State of Kuwait Notification KWT/637

Notification date: 10 July 2023

Agency responsible: Public Authority for Industry Standards and Metrology Department (KOWSMD), Enquiry_point@pai.gov.kw, <http://www.pai.gov.kw/>

Products covered: All products fall under scope of " ENERGY EFFICIENCY, FUNCTIONALITY AND LABELLING REQUIREMENTS FOR LIGHTING PRODUCTS - PART 2 " (ICS 91.160.01) Lighting in general.

Title: "ENERGY EFFICIENCY, FUNCTIONALITY AND LABELLING REQUIREMENTS FOR LIGHTING PRODUCTS - PART 2"; (61 pages in English)

Description of content: This Kuwait Technical Regulation specifies the requirements of Energy Efficiency, Functionality, Marking information, Energy efficiency labelling and Hazardous substances.

Objective and rationale: Consumer safety and energy saving

Relevant documents: SASO 2902:2018 (ENERGY EFFICIENCY, FUNCTIONALITY AND LABELLING REQUIREMENTS FOR LIGHTING PRODUCTS - PART 2)

Proposed date of adoption: 30 days from final date for comments

Proposed date of entry into force: 6 months from adoption

Final date for comments: 60 days from notification, 8 September 2023

Full text: https://members.wto.org/crnattachments/2023/TBT/KWT/23_10906_00_e.pdf

Canada Notification CAN/702

Notification date: 5 July 2023

Agency responsible: Department of Health, enquiry@international.gc.ca

Products covered: Various laser devices including but not limited to HS 845611, 851580, 85219010, and 901320. The following laser devices would be excluded from this proposal:

- laser-based medical devices as defined by the Medical Devices Regulations
- laser products that are sold to other manufacturers for use as components of any system for subsequent sale e.g., diode (as per IEC 60825-1:2014)
- laser products sold by or for manufacturers of end products for use as repair parts (as per IEC 60825-1:2014)

Title: Regulations Amending the Radiation Emitting Devices Regulations (Laser Products) 25 pages in Part I of the Canada Gazette, English and French.

Description of content: The requirements of the Radiation Emitting Device Regulations (Regulations) have not changed substantively in over 30 years. Proposed changes to the Regulations would include new provisions to replace the existing radiation protection requirements for laser scanners and demonstration lasers with modern requirements appropriate for the broad scope of laser products available to Canadians today, and proportional to their level of hazard. The proposed amendments would:

- extend the proposed requirements to all laser devices, rather than just demonstration lasers and laser scanners (with the exception of medical devices, those products already excluded from the scope of the IEC 60825-1: 2014 standard, and those products excluded from the scope of the Radiation Emitting Devices Act)
- align the Regulations laser radiation safety requirements with an international standard for laser products by adopting specific sections of IEC 60825-1: 2014
- introduce the IEC classification system for "laser products" that ranks devices according to their degree of hazard
- establish testing methods and rules to determine accessible emission levels and assign laser products to a particular hazard class
- require built-in engineering safety features that are appropriate for the laser class to manage exposure to hazardous levels of radiation
- establish labelling requirements and accompanying information to support compliance monitoring, verification, and enforcement activities (e.g., requiring specific details to uniquely identify laser products)

and their manufacturing origins) and help individuals who are purchasing, operating, and servicing laser products to make more-informed decisions

Objective and rationale: Canada's regulatory framework for laser devices does not reflect the diversity and growth of the sector, is not aligned with the current hazard-based classification scheme recognized by other countries and does not provide adequate protection to Canadians from risks associated with their use.

This regulatory proposal aims to protect Canadians from laser radiation hazards, align Canadian requirements with international standards, and address a broader range of laser devices than the current regulations.

Relevant documents: Radiation Emitting Devices Regulations,

https://laws-lois.justice.gc.ca/PDF/C.R.C.,_c._1370.pdf

Canada Gazette, Part I, July 1, 2023, Pages 2530-2554 (available in English and French)

Proposed date of adoption: Not applicable

Proposed date of entry into force: Not applicable

Final date for comments: 14 September 2023

Full text: The regulatory text can be found and comments be submitted at:

<https://canadagazette.gc.ca/rp-pr/p1/2023/2023-07-01/html/reg2-eng.html>

<https://canadagazette.gc.ca/rp-pr/p1/2023/2023-07-01/html/reg2-fra.html>

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 14 August 2023

BSR/ASB BPR 182-202x, Victim Accounting: Best Practice Recommendations for Medicolegal Authorities in Mass Fatality Management (new standard)

This document provides recommendations on the various aspects of mass fatality management including: victim accounting, accounting for fragmented remains, reconciling lists of unaccounted-for persons, and reporting numbers of fatalities including those who are identified, unidentified, and unclaimed. This document addresses the medicolegal authority's role in the collection and dissemination of victim accounting information to the survivor families, media, and partnering response agencies.

Single copy price: Free

Document and comments template can be viewed on the AAFS Standards Board website at

www.aafs.org/academy-standards-board

Send comments to asb@aafs.org

BSR/ASME B30.30-202x, Ropes (revision of ANSI/ASME B30.30-2019)

Volume B30.30 includes provisions that apply to the construction, selection, installation, attachment, testing, inspection, maintenance, repair, use, and replacement of wire rope, hybrid rope, and synthetic fiber rope, and rope-lifting components used in conjunction with equipment addressed in the volumes of the ASME B30 standard.

Single copy price: Free

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

Send comments to Kathleen Peterson <peterstonk@asme.org>

Due 21 August 2023

BSR S12.3-202x, Declaration of Product Noise Emission Values (revision of ANSI/ASA S12.3-1985 (R2020))

Information on the acoustical noise emitted by machinery, equipment, and products is needed by consumers, manufacturers, building and land-use planners, governmental authorities, and others concerned about noise in order to make informed purchasing decisions. To meet this need, this standard gives requirements and guidelines for how to properly and uniformly provide product noise level information to the public. This standard specifies the noise emission values to be declared for a batch of machines, equipment, or products and the requirements for their presentation; the method for determining the mean A-weighted sound power level; and the method for optionally determining the standard deviation. This standard is applicable to commercially available products that emit noise, including consumer products and household appliances, information technology products, industrial equipment, outdoor equipment and construction machinery, and other products.

Single copy price: \$125.00

Obtain an electronic copy from and send comments to: standards@acousticalsociety.org

BSR/ICC 500-202x, ICC/NSSA Standard for the Design and Construction of Storm Shelters (revision of ANSI/ICC 500-2020)

The objective of this standard is to provide technical design and performance criteria that will facilitate and promote the design, construction, and installation of safe, reliable, and economical storm shelters to protect the public. It is intended that this Standard be used by design professionals; storm shelter designers, manufacturers, and constructors; building officials; emergency management personnel[and government officials to ensure that storm shelters provide a consistently high level of protection to the sheltered public.

Single copy price: Free

Obtain an electronic copy from <https://www.iccsafe.org/products-and-services/standards-development/is-stm/>
Send comments to kpaarlberg@iccsafe.org

BSR C82.77-6-202x, Standard for Lighting Equipment Limits - Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems, for equipment with rated current 16 A per phase and not subject to conditional connection (new standard)

The purpose of the standard is to recommend a method of quantifying the visibility of temporal light artifacts (TLA) and to recommend initial, broad application-dependent limits on TLA. The photometric recommendations and measurement methods are applicable to any lighting equipment (e.g., luminaires, light engines, self-ballasted lamps, drivers, and sensors) with any control system. Specific recommendations and measurement methods for controls are only included for phase-cut dimming. The standard applies to visibility of TLA to human observers in applications with limited speeds of motion, such as an office environment.

Single copy price: \$50.00

Obtain an electronic copy from and send comments to michael.erbesfeld@nema.org

BSR/TIA 568.5-1-202x, Balanced Single Twisted-Pair Telecommunications Cabling and Components Standard -Addendum 1:Corrections (addenda to ANSI/TIA 568.5-2022)

This addendum will correct the error of the incompatibility between the channel and cable PSAFEXT specifications and correct any other errors that may be found. The scope may include the addition of a test method for UTP 1-pr cable. (Additions of features and classes will not be included in the scope. The entire document is open for comment.

Single copy price: \$67.00

Obtain an electronic copy from and send comments to Teesha Jenkins <standards-process@tiaonline.org>

Due 5 September 2023

BSR/ASME/ANS RA-S-1.2-202x, Severe Accident progression and Radiological Release (Level 2) PRA Standard for Nuclear Power Plant Applications for Light Water Reactors (LWRs) (new standard)

This standard provides requirements for the evaluation of containment performance and radiological releases to the environment. The radiological releases considered result from postulated accidents that cause fuel damage. The requirements of the Level 2 PRA Standard apply to the evaluation of risk informed applications that use radionuclide release information or as input to the determination of inputs for Level 3 PRA evaluations (e.g., explant consequences). The standard addresses sequences initiated by internal or external events during all modes of operation of operating and evolutionary commercial Light Water Reactor (LWR) nuclear plants.

Single copy price: Free

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

Send comments to Oliver Martinez <martinezo@asme.org>

CSA public review announcements

The CSA Group has announced proposals for public review that might be of interest to *Standards Watch* readers. To participate in CSA public reviews, please visit <http://publicreview.csa.ca/>.

Due 19 August 2023

A344, User guide for steel storage racks

This guide applies primarily to selective pallet racks, although the principles set out in this guide may be used when purchasing and using other types of racks, such as double-deep, push-back, drive-in and drive-through racks,

cantilever racks, portable racks, rack-supported buildings, and automated storage and retrieval systems (AS/RS). This guide is limited to pallet racks made of steel that are typically constructed from cold-formed members and/or hot rolled structural sections.

Due 26 August 2023

Z1004, Workplace ergonomics — A management and implementation standard

This standard is designed to be used alone or with related occupational or technical standards. It is intended to be referenced by other standards as the primary set of requirements for adopting ergonomics practices at the management level of an organization and throughout the activities of the organization. It is also intended to be referenced as the primary set of requirements for the implementation of ergonomics within a health and safety management system or other stand-alone program.

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/ASB Std 195-202x, Standard for Scene Response: Initial Response by Scene Investigators (new standard)

This document provides requirements for the activities and actions of an individual, however named, who is responsible for performing elements of a scene investigation, when responding to a scene, and the steps to be completed prior to conducting a scene search.

Contact Teresa Ambrosius <tambrosius@aaafs.org>

BSR/ASB Std 196-202x, Standard for the Documentation and Processing of Shooting Scenes (new standard)

This document provides requirements for the documentation and processing of shooting scenes that may be subject to shooting reconstruction. This document does not provide complete protocols for conducting a full shooting reconstruction.

Contact Teresa Ambrosius <tambrosius@aaafs.org>

BSR S1.42-202x, Design Response of Weighting Networks for Acoustical Measurements (revision of ANSI/ASA S1.42-2020)

This standard provides design information for the A-, B-, C-, D-, E-, G-, and U-weighting networks used for acoustical measurements. The analog poles and zeros for each weighting network are given, along with the equations for computing the magnitude and phase responses as functions of frequency. Coefficients and equations for computing the impulse and step responses of the A-, B-, C-, D-, and E-weighting networks as functions of time are provided in an informative annex. Information regarding digital implementation is also provided in an informative annex. Matlab scripts for the design of analog and digital implementations of the weighting networks described in this standard are also supplied.

Contact Raegan Ripley <standards@acousticalsociety.org>

BSR/IEEE 1814-202x, Guide for Electrical System Design Techniques to Enhance Electrical Safety – System Planning, Equipment, Protection (new standard)

This guide describes electrical system, equipment, and protection design techniques to enhance electrical safety to persons who manage, operate, and maintain electrical distribution. The techniques in this guide supplement the minimum requirements of installation codes and equipment standards. This guide does not include high voltage systems, communications, programming, or life-safety such as fire alarms and security.

Contact Suzanne Merten <s.merten@ieee.org>

BSR/IEEE 2303-202x, Standard for Adaptive Management of Cloud Computing Environments (new standard)

This standard defines foundational material crucial for the adaptive management of cloud computing ecosystems. Material within the scope of the standard includes: a vocabulary built upon existing cloud computing standards

vocabularies, a description of a set of adaptive management classifications based on time, autonomy and operational scales, a conceptual adaptive management framework which describes the basic building blocks of the adaptive management standard and the core functionality of each. The standard includes a set of cloud computing use cases that are used to guide the development of the standard.

Contact Suzanne Merten <s.merten@ieee.org>

BSR/IEEE 3303-202x, Adoption of Moving Picture, Audio and Data Coding by Artificial Intelligence (MPAI) Technical Specification Compression and Understanding of Industrial Data (CUI) (new standard)

The Compression and Understanding of Industrial Data (MPAI-CUI) Technical Specification predicts the performance of a Company from its Governance, Financial, and Risk data in a Prediction Horizon expressed as Default Probability, Adequacy Index of Organizational Model, and Business Continuity Index.

Contact Suzanne Merten <s.merten@ieee.org>

BSR/IES TM-202x- (NWC), Technical Memorandum: Perceived Brightness of Non-White Chromaticities (new standard)

It has been argued that photometric measures have poor performance in estimating the perceived brightness of chromatic light. The short-term goal of the task group is to produce a document that gives specifiers guidance on how to manage this issue. The long-term goal is to identify a metric to predict the perceived brightness of chromatic light when the SPD and energy levels are known.

Contact Patricia McGillicuddy <pmcgillicuddy@ies.org>

BSR/INCITS/ISO/IEC 9075-1:2023 [202x], Information technology - Database languages SQL - Part 1: Framework (SQL/Framework) (identical national adoption of ISO/IEC 9075-1:2023 and revision of INCITS/ISO/IEC 9075-1:2016 [R2022])

Describes the conceptual framework used in other parts of the ISO/IEC 9075 series to specify the grammar of SQL and the result of processing statements in that language by an SQL-implementation. This document also defines terms and notation used in the other parts of the ISO/IEC 9075 series.

Contact Deborah Spittle <comments@standards.incits.org>

BSR/INCITS/ISO/IEC 9075-2:2023 [202x], Information technology - Database languages SQL - Part 2: Foundation (SQL/Foundation) (identical national adoption of ISO/IEC 9075-2:2023 and revision of INCITS/ISO/IEC 9075-2:2016 [R2022])

Defines the data structures and basic operations on SQL-data. It provides functional capabilities for creating, accessing, maintaining, controlling, and protecting SQL-data.

Contact Deborah Spittle <comments@standards.incits.org>

BSR/INCITS/ISO/IEC 9075-3:2023 [202x], Information technology - Database languages SQL - Part 3: Call-Level Interface (SQL/CLI) (identical national adoption of ISO/IEC 9075-3:2023 and revision of INCITS/ISO/IEC 9075-3:2016 [2018])

Defines the structures and procedures that can be used to execute statements of the database language SQL from within an application written in a programming language in such a way that procedures used are independent of the SQL statements to be executed.

Contact Deborah Spittle <comments@standards.incits.org>

BSR/INCITS/ISO/IEC 9075-4:2023 [202x], Information technology - Database languages SQL - Part 4: Persistent stored modules (SQL/PSM) (identical national adoption of ISO/IEC 9075-4:2023 and revision of INCITS/ISO/IEC 9075-4:2016 [R2022])

Specifies the syntax and semantics of a database language for declaring and maintaining persistent database language routines in SQL-server modules. The database language for syntax and semantics includes: the specification of statements to direct the flow of control, the assignment of the result of expressions to variables and parameters. The specification of condition handlers that allow SQL-invoked routines to deal with various conditions that arise during their execution.

Contact Deborah Spittle <comments@standards.incits.org>

BSR/INCITS/ISO/IEC 9075-9:2023 [202x], Information technology - Database languages SQL - Part 9: Management of External Data (SQL/MED) (identical national adoption of ISO/IEC 9075-9:2023 and revision of INCITS/ISO/IEC 9075-9:2016 [R2022])

Defines extensions to Database Language SQL to support management of external data through the use of foreigndata wrappers and datalink types.

Contact Deborah Spittle <comments@standards.incits.org>

BSR/INCITS/ISO/IEC 9075-10:2023 [202x], Information technology - Database languages SQL - Part 10: Object language bindings (SQL/OLB) (identical national adoption of ISO/IEC 9075-10:2023 and revision of INCITS/ISO/IEC 9075-10:2016 [R2022])

Specifies embedded SQL for the programming languages: Ada,C, COBOL, Fortran, MUMPS, Pascal, and PL/I. ISO/IEC 9075-10:2016 defines similar features of Database language SQL that support embedding of SQL-statements into programs written in the Java programming language. The embedding of SQL into Java is commonly known as "SQLJ".

Contact Deborah Spittle <comments@standards.incits.org>

BSR/INCITS/ISO/IEC 9075-11:2023 [202x], Information technology - Database languages SQL - Part 11: Information and definition schemas (SQL/Schemata) (identical national adoption of ISO/IEC 9075-11:2023 and revision of INCITS/ISO/IEC 9075-11:2016 [R2022])

Specifies an Information Schema and a Definition Schema that describes the structure and integrity constraints of SQL-data, the security and authorization specifications relating to SQL-data, the features and subfeatures of the ISO/IEC 9075 series, and the support that each of these has in an SQL-implementation, the SQL-implementation information and sizing items of the ISO/IEC 9075 series and the values supported by an SQL-implementation.

Contact Deborah Spittle <comments@standards.incits.org>

BSR/INCITS/ISO/IEC 9075-13:2023 [202x], Information technology - Database languages SQL - Part 13: SQL Routines and types using the Java programming language (SQL/JRT) (identical national adoption of ISO/IEC 9075-13:2023 and revision of INCITS/ISO/IEC 9075-13:2016 [R2022])

Specifies the ability to invoke static methods written in the Java programming language as SQL-invoked routines and to use classes defined in the Java programming language as SQL structured user-defined types.

Contact Deborah Spittle <comments@standards.incits.org>

BSR/INCITS/ISO/IEC 9075-14:2023 [202x], Information technology - Database languages SQL - Part 14: XML-Related Specifications (SQL/XML) (identical national adoption of ISO/IEC 9075-14:2023 and revision of INCITS/ISO/IEC 9075-14:2016 [R2022])

Defines ways in which Database Language SQL can be used in conjunction with XML.

Contact Deborah Spittle <comments@standards.incits.org>

BSR/INCITS/ISO/IEC 9075-15:2023 [202x], Information technology - Database languages SQL - Part 15: Multidimensional arrays (SQL/MDA) (identical national adoption of ISO/IEC 9075-15:2023)

Defines ways in which Database Language SQL can be used in conjunction with multidimensional arrays.

Contact Deborah Spittle <comments@standards.incits.org>

BSR/INCITS/ISO/IEC 9075-16:2023 [202x], Information technology - Database languages SQL - Part 16: Property Graph Queries (SQL/PGQ) (identical national adoption of ISO/IEC 9075-16:2023)

Defines ways for the SQL language to represent property graphs and to interact with them.

Contact Deborah Spittle <comments@standards.incits.org>

BSR/INCITS/ISO/IEC 27036-3:2023 [202x], Cybersecurity — Supplier relationships — Part 3: Guidelines for hardware, software, and services supply chain security (identical national adoption of ISO/IEC 27036-3:2013 and revision of INCITS/ISO/IEC 27036-3:2013 [2019])

Provides guidance for product and service acquirers, as well as suppliers of hardware, software and services.

Contact Deborah Spittle <comments@standards.incits.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.

ANSI/ASHRAE/ICC/IES/USGBC Addendum ap to ANSI/ASHRAE/ICC/IES/USGBC Standard 189.1-2020, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/ICC/IES/USGBC Standard 189.1-2020), 31 May 2023

ANSI/ASHRAE/ICC/IES/USGBC Addendum aw to ANSI/ASHRAE/ICC/IES/USGBC Standard 189.1-2020, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/ICC/IES/USGBC Standard 189.1-2020), 31 May 2023

ANSI/ASHRAE/ICC/IES/USGBC Addendum bc to ANSI/ASHRAE/ICC/IES/USGBC Standard 189.1-2020, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/ICC/IES/USGBC Standard 189.1-2020), 31 May 2023

ANSI/ASHRAE/ICC/IES/USGBC Addendum bd to ANSI/ASHRAE/ICC/IES/USGBC Standard 189.1-2020, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/ICC/IES/USGBC Standard 189.1-2020), 31 May 2023

ANSI/ASHRAE/IES Addendum d to ANSI/ASHRAE/IES Standard 90.1-2022, Energy Standard for Sites and Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IES Standard 90.1-2022), 30 June 2023

ANSI/ASHRAE/IES Addendum f to ANSI/ASHRAE/IES Standard 90.1-2022, Energy Standard for Sites and Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IES Standard 90.1-2022), 30 June 2023

ANSI/B11.0-2023, Safety of Machinery (revision of ANSI B11.0-2020), 27 June 2023

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 the 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.

1/2554/FDIS, IEC 60050-428 ED1: International Electrotechnical Vocabulary (IEV) - Part 428: Safety of machinery, 4 August 2023

34/1065/FDIS, IEC 62386-305 ED1: Digital addressable lighting interface - Part 305: Particular requirements - Input devices -Colour sensor, 4 August 2023

JTC1-SC25/3155/CDV, ISO/IEC 11801-1/AMD1 ED1: Amendment 1 - Information technology - Generic cabling for customer premises - Part 1: General requirements, 15 September 2023

JTC1-SC41/346/CDV, ISO/IEC 30141 ED2: Internet of Things (IoT) - Reference architecture, 15 September 2023

ISO/IEC/IEEE DIS 41062, Software engineering - Life cycle processes - Software acquisition, 16 September 2023, \$146.00

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](#).

IEC 60204-32 Ed. 3.0 b:2023, Safety of machinery – Electrical equipment of machines - Part 32: Requirements for hoisting machines, \$481.00

IEC 60204-32 Ed. 3.0 en:2023 CMV, Safety of machinery -Electrical equipment of machines - Part 32: Requirements for hoisting machines, \$823.00

ISO 19407:2023, Footwear - Sizing - Conversion of sizing systems, \$77.00

ISO 22587:2023, Traditional Chinese medicine – Acupoint magnetotherapy plasters for single use, \$77.00

ISO 28560-2:2023, Information and documentation - RFID in libraries - Part 2: Encoding of RFID data elements based on rules from ISO/IEC 15962, \$210.00

ISO/IEC 19566-5:2023, Information technologies - JPEG systems - Part 5: JPEG universal metadata box format (JUMBF), \$157.00

ISO/IEC 23200-2:2023, Information technology - Radio frequency identification for item management - Part 2: Interference rejection performance test method between an Interrogator as defined in ISO/IEC 18000-63 and a heterogeneous wireless system, \$116.00

ISO/IEC 23859:2023, Information technology - User interfaces -Requirements and recommendations on making written text easy to read and understand, \$157.00

ISO/IEC 25059:2023, Software engineering - Systems and software Quality Requirements and Evaluation (SQuaRE) -Quality model for AI systems, \$116.00

ISO/IEC 27032:2023, Cybersecurity - Guidelines for Internet security, \$183.00

ISO/TS 30437:2023, Human resource management – Learning and development metrics, \$210.00

TSP meeting schedule

The next set of TSP working group meetings will be held at the Marriott DFW hotel in bucolic Westlake, Texas near the Dallas/Ft. Worth Airport. The most up to date version of the meeting schedule and a link to “Reserve a Hotel Room” are at <https://www.esta.org/ESTA/meetings.php>. United Airlines offers a discount for flights to these meetings using the code, [ZN7E375552](#). (The discount only applies to DFW Airport. United does not serve Dallas Love Field.)

Control Protocols Working Group	09:00 – 13:00 CDT	Saturday 22 July 2023
Control Protocols BSR E1.11 & E1.68	14:00 – 18:00 CDT	Friday 21 July 2023
Control Protocols BSR E1.20	19:00 – 23:00 CDT	Friday 21 July 2023
Control Protocols BSR E1.37-5	14:00 – 18:00 CDT	Saturday 22 July 2023
Control Protocols BSR E1.37-8 IPv4/v6	19:00 – 23:00 CDT	Saturday 22 July 2023
Control Protocols BSR E1.73, UDR	09:00 – 13:00 CDT	Friday 21 July 2023
Control Protocols BSR E1.77 security	19:00 – 23:00 CDT	Thursday 20 July 2023
Control Protocols NextGen	09:00 – 13:00 CDT	Sunday 23 July 2023
Electrical Power Working Group	19:00 – 23:00 CDT	Friday 21 July 2023
Event Safety Working Group	14:00 – 18:00 CDT	Saturday 22 July 2023
Floors Working Group	10:00 – 13:00 CDT	Friday 21 July 2023
Fog & Smoke Working Group	10:00 – 13:00 CDT	Thursday 20 July 2023
Photometrics Working Group	16:00 – 18:00 CDT	Friday 21 July 2023
Rigging Working Group	19:00 – 23:00 CDT	Saturday 22 July 2023
Stage Machinery Working Group	19:00 – 23:00 CDT	Thursday 20 July 2023
Technical Standards Council	09:00 – 13:00 CDT	Sunday 23 July 2023
Weapons Safety Working Group	14:00 – 18:00 CDT	Thursday 20 July 2023

ESTA Standards Watch

is distributed as a benefit to ESTA members and as a communication medium for participants in ESTA's Technical Standards Program. Original material is copyright ESTA.

Editors

Richard Nix, Technical Standards Manager
ESTA, Technical Standards Program
PO Box 23200
Brooklyn, NY 11202-3200 USA
richard.nix@esta.org
1 212 244 1505 ext. 649

Karl G. Ruling, Senior Technical Standards Manager
ESTA, Technical Standards Program
PO Box 23200
Brooklyn, NY 11202-3200 USA
karl.ruling@esta.org
1 212 244 1505 ext. 703

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>.

Investors in Innovation, supporters of ESTA's Technical Standards Program

This lists the donors who have made contributions in the last 12 months.

VISIONARY LEADERS (\$50,000 & up)

ETC

PLASA

VISIONARY (\$10,000 & up; >100 employees/members)

Cisco

Disney Parks Live Entertainment

Columbus McKinnon Entertainment Technology

VISIONARY (\$5,000 & up; 20–100 employees/members)

Altman Lighting, Inc.

Theatre Projects

McLaren Engineering Group

Theatre Safety Programs

Rose Brand

TMB

Stage Rigging

VISIONARY (\$500 & up; <20 employees/members)

About the Stage

Michael Lay

B-Hive Industries, Inc.

Link

Scott Blair

John T. McGraw

Boston Illumination Group

Mike Garl Consulting

Candela Controls, Inc.

Mike Wood Consulting

Clark Reder Engineering

Lizz Pitsley

Tracey Cosgrove & Mark McKinney

Reed Rigging

Doug Fleenor Design

Reliable Design Services

Down Stage Right Industries Ltd.

Alan Rowe

EGI Event Production Services

Sapsis Rigging Inc.

Entertainment Project Services

SBS Lighting

Neil Huff

Steve A. Walker Associates

Interactive Technologies

Dana Taylor

iStudio Projects

Steve Terry

Jules Lauve

Vertigo

Brian Lawlor

WNP Services

INVESTOR (\$3,000–\$9,999; >100 employees/members)

Actors' Equity Association

Lex

Golden Sea Professional Lighting Provider

NAMM

IATSE Local 728

Texas Scenic Company

IATSE Local 891

INVESTOR (\$1,500–\$4,999; 20–100 employees/members)

American Society of Theatre Consultants

InterAmerica Stage, Inc.

Area Four Industries

Lycian Stage Lighting

BMI Supply

Niscon Inc.

City Theatrical Inc.

Tomcat Staging, Lighting and Support Systems

H&H Specialties, Inc.

INVESTOR (\$200–\$499; <20 employees/members)

Baxter Controls, Inc.

Jessica Sanders

ChamSix

Sehr Gute GmbH

Concept Smoke Systems Ltd.

David Thomas

Bruce William Darden

Techni-Lux

Ian Foulds

Tracy Underhill

Liberal Logic, Inc.

Ralph Weber

Luminator Technology Group

SUPPORTER (\$50 - \$2,999; >100 employees/members)

Harlequin Floors

SUPPORTER (\$50 - \$1,499; 20–100 employees/members)

High Output

InCord

iWeiss

Oasis Stage Werks

Stagemaker

Syracuse Scenery and Stage Lighting Co., Inc.

Vincent Lighting Systems

Wuhan Zhongtian Jiaye Mechanical & Electrical Eng.
Co.

SUPPORTER (\$50 - \$199; <20 employees/members)

Chip Scott Lighting Design

Matthew Douglas III

Beverly and Tom Inglesby

Inventions Guité

KASUGA

Bill McCord

Motion FX

Northern Lights Electronic Design

Shanxi Tian Gong Sheng Optoelectronic Equipment
Technology Co.

Sigma Net

Stephen Vanciel

Patrick Wallace

Mitchell Weisbrod

Extraordinary legacy gift: Ken Vannice

You can make a donation by visiting https://tsp.esta.org/tsp/inv_in_innovation/sponsor.html.

Become an *Investor in Innovation!*