ANSI STANDARDS ACTION

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Contents

American National Standards

Call for Comment on Standards Proposals 2
Call for Members (ANS Consensus Bodies) 12
Final Actions 15
Project Initiation Notification System (PINS) 17
ANS Maintained Under Continuous Maintenance 22
ANSI-Accredited Standards Developers Contact Information 23

International Standards

ISO and IEC Draft Standards 24
ISO and IEC Newly Published Standards 27

Proposed Foreign Government Regulations 29
Information Concerning 30

American National Standards

Call for comment on proposals listed

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. Fax: 212-840-2298; e-mail: psa@ansi.org

* Standard for consumer products

ISSN 0038-9633

Comment Deadline: December 9, 2018

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 79A-201x, Standard for Safety for Power-Operated Pumps for Gasoline and Gasoline/Ethanol Blends with Nominal Ethanol Concentrations up to 85 Percent (E0 - E85) (revision of ANSI/UL 79A-2016)

The following topic is being proposed: (1) Revisions to add CE40a test fluids requirements.

Click here to view these changes in full

Send comments (with copy to psa@ansi.org) to: Marcia Kawate, (510) 319-4259, Marcia.M.Kawate@ul.com

BSR/UL 498-201x, Standard for Safety for Attachment Plugs and Receptacles (revision of ANSI/UL 498-2018)

(1) Proposal to revise the maximum withdrawal force test.

Click here to view these changes in full

Send comments (with copy to psa@ansi.org) to: Megan Monsen, (847) 664-1292, megan.monsen@ul.com

BSR/UL 962-201x, Standard for Safety for Household and Commercial Furnishings (revision of ANSI/UL 962-2017)

This proposal for UL 962 covers revising the horizontal surface loading requirements in Table 36.1 by adding a new reference specifically for height adjustable tables.

Click here to view these changes in full

Send comments (with copy to psa@ansi.org) to: Megan Sepper, (847) 664-3411, Megan.M.Sepper@ul.com

BSR/UL 1206-201X, Standard for Safety for Electric Commercial Clothes-Washing Equipment (revision of ANSI/UL 1206-2018)

(1) Direct Current (DC) Electric Strength Test potentials; (2) Motor controls for commercial appliances.

Click here to view these changes in full

Send comments (with copy to psa@ansi.org) to: Ross Wilson, (919) 549-1511, Ross.Wilson@ul.com

BSR/UL 1240-201x, Standard for Safety for Electric Commercial Clothes-Drying Equipment (proposal dated 11/9/18) (revision of ANSI/UL 1240-2018)

(1) Motor controls for commercial appliances.

Click here to view these changes in full

Send comments (with copy to psa@ansi.org) to: Ross Wilson, (919) 549-1511, Ross.Wilson@ul.com

BSR/UL 1650-201X, Standard for Safety for Portable Power Cable (revision of ANSI/UL 1650-2016)

Addition of missing reference, Revised 6.1.1.

Click here to view these changes in full

Send comments (with copy to psa@ansi.org) to: Linda Phinney, (510) 319-4297, Linda.L.Phinney@ul.com

BSR/UL 2353-201x, Standard for Safety for Single- and Multi-Layer Insulated Winding Wire (revision of ANSI/UL 2353-2016)

(1) Revision to add the Standard for Adjustable Speed Electrical Power Drive Systems - Part 5-1 Safety Requirements - Electrical, Thermal and Energy, UL 61800-5-1 requirements.

Click here to view these changes in full

Send comments (with copy to psa@ansi.org) to: Megan Monsen, Megan.Monsen@ul.com

Comment Deadline: December 24, 2018

AAFS (American Academy of Forensic Sciences)

New Standard

BSR/ASB BPR 021-201x, Best Practices for the Preparation of Test Impressions from Footwear and Tires (new standard)

This document provides forensic footwear and tire impression examiners guidance in the preparation of two- and three-dimensional test impressions from known footwear and tires for use in the comparison process. The purpose of creating test impressions from known footwear or tires is to record the characteristics on the outsole or tread and attempt to reproduce the conditions present when the questioned impression was made. The methods included in this document are not all-inclusive and may not cover all aspects of unusual or uncommon conditions. This document is not intended to replace a professional training program.

Single copy price: Free

Obtain an electronic copy from: http://www.asbstandardsboard.org/

Document will be provided electronically on AAFS Standards Board website free of charge.

Send comments (with copy to psa@ansi.org) to: asb@aafs.org. This is a public comment period for a recirculation. Updated document, redline version, and comments can be viewed on the AAFS Standards Board website at: http://www.asbstandardsboard.org/notice-of-standard-development-and-coordination/.

BSR/ASB Std 054-201x, Standard for a Quality Control Program in Forensic Toxicology Laboratories (new standard)

This document establishes minimum requirements for quality control practices in forensic toxicology laboratories. The document explains the importance of a quality control program, how to select and care for materials used to prepare quality control samples, proper preparation and use of calibrator and control samples, and requirements for their use in different types of assays. The document also provides direction for the review and monitoring of quality control data in forensic toxicology laboratories. This standard applies to laboratories performing forensic toxicological analysis in the following sub-disciplines: postmortem forensic toxicology, human performance toxicology (e.g., drug-facilitated crimes and driving-under-the-influence of alcohol or drugs), non-regulated employment drug testing, court-ordered toxicology (e.g., probation and parole, drug courts, child services), and general forensic toxicology (non-lethal poisonings or intoxications). It is not intended for the area of breath alcohol toxicology.

Single copy price: Free

Obtain an electronic copy from: http://www.asbstandardsboard.org/

Document will be provided electronically on AAFS Standards Board website free of charge

Send comments (with copy to psa@ansi.org) to: asb@aafs.org. Document and comments template can be viewed on the AAFS Standards Board website at: http://www.asbstandardsboard.org/notice-of-standard-development-and-coordination//

BSR/ASB Std 088-201x, General Guidelines for Training, Certification, and Documentation of Canine Detection Disciplines (new standard)

This Standard contains requirements for the development of training of canine handlers and canines and will also detail the canine team assessments and the basis for certification procedures including record keeping and document management. This standard does not cover discipline specific guidelines.

Single copy price: Free

Obtain an electronic copy from: http://www.asbstandardsboard.org/

Document will be provided electronically on AAFS Standards Board website free of charge

Send comments (with copy to psa@ansi.org) to: asb@aafs.org. Document and comments template can be viewed on the AAFS Standards Board website at: http://www.asbstandardsboard.org/notice-of-standard-development-and-coordination//

API (American Petroleum Institute)

Revision

BSR/API Standard RP 755-201x, Fatigue Risk Management Systems for Personnel in the Refining and Petrochemical Industries (revision of ANSI/API Standard RP 755-2010 (R2018))

This recommended practice (RP) is based on sound science and also recognizes operational issues. The RP provides guidance to all stakeholders (e.g., employees, managers, supervisors, contractors) on understanding, recognizing, and managing fatigue risk in the workplace. Owners and operators shall establish policies and procedures to meet the purpose of this recommended practice. This RP was developed for refineries, petrochemical and chemical operations, natural gas liquefaction plants, and other facilities such as those covered by the OSHA Process Safety Management Standard, 29 CFR 1910.119. This document is intended to apply to a workforce that is commuting daily to a job location. On-site contractors involved in processing safety sensitive actions shall have fatigue risk management systems consistent with the criteria outlined in this document.

Single copy price: Free

Obtain an electronic copy from: Stephen Crimaudo, crimaudos@api.org

Send comments (with copy to psa@ansi.org) to: Stephen Crimaudo, Manager, Downstream Standards, American Petroleum Institute, 1220 L Street, NW Washington, DC 20005, email: crimaudos@api.org

ASABE (American Society of Agricultural and Biological Engineers)

Revision

BSR/ASABE S619.1 MONYEAR-201x, Safety for Tractor-Mounted, Boom-Type Post Hole Diggers (revision and redesignation of ANSI/ASABE S619-2014)

The purpose of this Standard is to establish the safety requirements for tractor-mounted, boom-type post-hole diggers. It applies to boom-type post-hole diggers designed and intended for digging vertical, cylindrical holes. This Standard applies to boom-type post-hole diggers designed for attachment to the three-point hitch of agricultural tractors as specified in ANSI/ASAE S390, equipped with Category I or Category II three-point linkage as specified in ANSI/ASABE AD730:2009, and powered by a 540-rpm power take-off or by the agricultural tractor's hydraulic power.

Single copy price: $65.00 (ASABE members); $44.00 (non-members)

Obtain an electronic copy from: vangilder@asabe.org

Order from: Carla VanGilder, (269) 932-7015, vangilder@asabe.org

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

BSR/ASABE S639.2 MONYEAR-201x, Safety Standard for Large Row-Crop Flail Mowers (revision and redesignation of ANSI/ASABE S639.1-SEP2017)

This standard specifies the safety requirements and their verification for the design and construction of large row-crop flail mowers with a cutting width larger than 3 m and used exclusively in agricultural field applications and which have the rear part that can be opened for these particular field use operations. These machines may be equipped with adjustable material discharge gates or deflectors located on the rear of the mower. It describes methods for the elimination or reduction of hazards arising from the intended use and reasonably foreseeable misuse of these machines by one person (the operator) in the course of normal operation and service. In addition, it specifies the type of information on safe working practices to be provided by the manufacturer. It is applicable only to mowers intended to work at ground level.

Single copy price: $65.00 (ASABE members); $44.00 (non-members)

Obtain an electronic copy from: vangilder@asabe.org

Order from: Carla VanGilder, (269) 932-7015, vangilder@asabe.org

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

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

New Standard

BSR/ASHRAE Standard 212-201x, Method of Test for Determining Energy Performance and Water-Use Efficiency of Add-On Evaporative Pre-Coolers for Unitary Air Conditioning Equipment (new standard)

The purpose of ASHRAE Standard 212P is to provide test methods for gathering performance data for use in calculating the energy-savings potential and water-use performance of add-on evaporative pre-coolers for condenser inlet air of air-cooled, direct expansion unitary air-conditioning equipment.

Single copy price: $35.00

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

Order from: standards.section@ashrae.org

Send comments (with copy to psa@ansi.org) to: http://www.ashrae.org/standards-research--technology/public-review-drafts

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

Revision

BSR/ASHRAE Standard 150-201x, Method of Testing the Performance of Cool Storage Systems (revision of ANSI/ASHRAE Standard 150-2000 (R2014))

ASHRAE Standard 150-2000R prescribes a uniform set of testing procedures for determining the cooling capacities and efficiencies of cool storage systems.

Single copy price: $35.00

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

Order from: standards.section@ashrae.org

Send comments (with copy to psa@ansi.org) to: http://www.ashrae.org/standards-research--technology/public-review-drafts

ASME (American Society of Mechanical Engineers)

Revision

BSR/ASME A17.1/CSA B44-201x, Safety Code for Elevators and Escalators (revision of ANSI/ASME A17.1/CSA B44-2016)

This standard covers safety requirements for elevators, escalators, dumbwaiters, moving walks and material lifts.

Single copy price: Free

Obtain an electronic copy from: http://cstools.asme.org/publicreview

Order from: Mayra Santiago, ASME; ansibox@asme.org

Send comments (with copy to psa@ansi.org) to: Geraldine Burdeshaw, (212) 591-8523, burdeshawg@asme.org

BSR/ASME PASE-20xx, Safety Standard for Portable Automotive Service Equipment (revision of ANSI/ASME PASE-2014)

This standard applies to the safety, health, design, production, construction, maintenance, performance, or operation of electrical, mechanical, hydraulic, or pneumatically powered portable automotive service equipment (PASE), and qualification of personnel.

Single copy price: Free

Obtain an electronic copy from: http://cstools.asme.org/publicreview

Order from: Mayra Santiago, ASME; ansibox@asme.org

Send comments (with copy to psa@ansi.org) to: Nicole Gomez, (212) 591-8720, ansibox@asme.org

AWS (American Welding Society)

New Standard

BSR/AWS D10.17M/D10.17-201x, Guide for Welding Tubular Steel Vehicle Structures (new standard)

This document presents a detailed discussion of the methods and suggested procedures for welding of steel tubing for vehicle structures but does not address design. A number of figures and tables illustrate suggested joint designs, filler metal selections, and procedures.

Single copy price: $35.00

Obtain an electronic copy from: sborrero@aws.org

Order from: Stephen Borrero, (305) 443-9353, sborrero@aws.org

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

ESTA (Entertainment Services and Technology Association)

New Standard

BSR/E1.37-5-201x, General Purpose Messages for ANSI E1.20, RDM (new standard)

This document provides additional Get/Set parameter messages (PIDs) for use with the ANSI E1.20 Remote Device Management protocol.

Single copy price: Free

Obtain an electronic copy from: http://tsp.esta.org/tsp/documents/public_review_docs.php

Order from: Karl Ruling, (212) 244-1505, standards@esta.org

Send comments (with copy to psa@ansi.org) to: standards@esta.org

HL7 (Health Level Seven)

Revision

BSR/HL7 CDAR2 IG TRAUMAREG, R2-201x, HL7(R) CDA(R) R2 Implementation Guide: Trauma Registry Data Submission, Release 2 - US Realm (revision and redesignation of ANSI/HL7 CDAR2 IG TRAUMAREG R1-2016)

This document provides guidance on the reporting of hospital trauma information to a trauma data repository. This version provides updates supporting submissions to the 2017 release of the American College of Surgeons' (ACS) National Trauma Data Bank (NTDB), including performance measures.

Single copy price: Free to members; free to non-members 90 days following ANSI approval and publication by HL7

Obtain an electronic copy from: Karenvan@HL7.org

Order from: Karen Van Hentenryck, (734) 677-7777, Karenvan@HL7.org

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

SCTE (Society of Cable Telecommunications Engineers)

Revision

BSR/SCTE 117-201x, Specification for Braided 75 , Mini-Series Quad Shield Coaxial Cable for CMTS and SDI cables (revision of ANSI/SCTE 117-2010)

This specification defines the required performance with regards to electrical and mechanical properties of 75-ohm, braided, mini-series quad shield coaxial cable for CMTS and SDI applications.

Single copy price: $50.00

Obtain an electronic copy from: admin@standards.scte.org

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

Send comments (with copy to psa@ansi.org) to: admin@standards.scte.org

UL (Underwriters Laboratories, Inc.)

New National Adoption

BSR/UL 60079-29-1-201X, Standard for Safety for Explosive Atmospheres - Part 29-1: Gas Detectors - Performance Requirements of Detectors for Flammable Gases (national adoption of IEC 60079-29-1 with modifications and revision of ANSI/ISA 60079-29-1 (12.13.01)-2013)

Adoption of IEC 60079-29-1, Explosive Atmospheres - Part 29-1: Part 29-1: Gas Detectors - Performance Requirements of Detectors for Flammable Gases, (second edition, issued by IEC July 2016) as a new IEC-based UL standard, UL 60079-29-1 with US Differences.

Single copy price: Free

Obtain an electronic copy from: http://www.shopulstandards.com

Send comments (with copy to psa@ansi.org) to: Vickie Hinton, (919) 549-1851, Vickie.T.Hinton@ul.com

UL (Underwriters Laboratories, Inc.)

New Standard

BSR/UL 180-201x, Standard for Liquid Level Gauges, Level Indicators and Aboveground Piping for Combustible Liquids (new standard)

Recirculation of the proposed standard, which will have a new title of "Standard for Combustible Liquid Tank Accessories". This Standard covers the construction and performance requirements for the tank accessories, for use on atmospheric aboveground tanks not exceeding 19,927 L (5,000 U.S. gal) which are intended for the storage and supply of heating fuels for oil-burning equipment, diesel fuels for compression ignition engines, motor oils (new or used) for automotive service stations, and similar combustible liquid applications.

Single copy price: Free

Obtain an electronic copy from: http://www.shopulstandards.com

Send comments (with copy to psa@ansi.org) to: Caitlin D'Onofrio, (613) 368-4430, caitlin.donofrio@ul.com

UL (Underwriters Laboratories, Inc.)

Reaffirmation

BSR/UL 154-2009 (R201x), Standard for Safety for Carbon-Dioxide Fire Extinguishers (reaffirmation of ANSI/UL 154-2009 (R2014))

UL proposes a reaffirmation for UL 154.

Single copy price: Free

Obtain an electronic copy from: http://www.shopulstandards.com

Send comments (with copy to psa@ansi.org) to: Griff Edwards, (919) 549-0956, griff.edwards@ul.com

BSR/UL 710B-2014 (R201x), Standard for Recirculating Systems (reaffirmation of ANSI/UL 710B-2014)

UL proposes a reaffirmation for UL 710B.

Single copy price: Free

Obtain an electronic copy from: http://www.shopulstandards.com

Send comments (with copy to psa@ansi.org) to: Nicolette Weeks, (919) 549-0973, Nicolette.A.Weeks@ul.com

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 758-201X, Standard for Safety for Appliance Wiring Material (revision of ANSI/UL 758-2017)

(1) ″Base metal″ thermocouple conductor material, revised Table 5.3; (2) Temperature of DC resistance, revised Table 5.7; (3) K factor, revised 5.6; (4) Marking of resistance wire, revised 5.1.1, 51.2; (5) Deletion of carbon arc, revised 17.1; (6) Conductor size for IEC 60332-1 Flame Test, revised 45.3.

Single copy price: Free

Obtain an electronic copy from: http://www.shopulstandards.com

Send comments (with copy to psa@ansi.org) to: Linda Phinney, (510) 319-4297, Linda.L.Phinney@ul.com

BSR/UL 891-201X, Standard for Safety for Switchboards (revision of ANSI/UL 891-2012)

This proposal covers the publication of the proposed Twelfth Edition of the Standard for Switchboards, UL 891. An initial version of this proposal was published by UL for ballot on April 27, 2018.

Single copy price: Free

Obtain an electronic copy from: http://www.shopulstandards.com

Send comments (with copy to psa@ansi.org) to: Derrick Martin, (510) 319-4271, Derrick.L.Martin@ul.com

Comment Deadline: January 8, 2019

Reaffirmations and withdrawals available electronically may be accessed at: webstore.ansi.org

ASME (American Society of Mechanical Engineers)

New Standard

BSR/ASME TES-1-201x, Safety Standards for Thermal Energy Storage Systems; Molten Salt (new standard)

This standard applies to the design, construction, installation, inspection, testing, commissioning, maintenance, operation, and decommissioning of molten-salt thermal-energy storage systems. Molten-salt thermal-energy systems include the storage medium and associated storage vessels, controls for the system, and associated system components such as circulation pumps, piping, and heat exchangers that are in contact with molten salt.

Single copy price: Free

Obtain an electronic copy from: http://cstools.asme.org/publicreview

Order from: Mayra Santiago, ASME; ansibox@asme.org

Send comments (with copy to psa@ansi.org) to: Nicole Gomez, (212) 591-8720, ansibox@asme.org

ASME (American Society of Mechanical Engineers)

Revision

BSR CSA B44.1/ASME A17.5-201x, Elevator and Escalator Electrical Equipment (revision of ANSI CSA B44.1/ASME A17.5-2014)

This Standard applies to the following electrical equipment for elevators, escalators, moving walks, dumbwaiters, material lifts, and elevating devices for persons with physical disabilities (platform lifts and stairway chairlifts): motor controllers; motion controllers; operation controllers; operating devices; and all other electrical equipment not listed/certified and labeled/marked according to another product safety standard or code.

Single copy price: Free

Obtain an electronic copy from: http://cstools.asme.org/publicreview

Order from: Mayra Santiago, ASME; ansibox@asme.org

Send comments (with copy to psa@ansi.org) to: Geraldine Burdeshaw, (212) 591-8523, burdeshawg@asme.org

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 2127-201X, Standard for Inert Gas Clean Agent Extinguishing System Units (revision of ANSI/UL 2127-2018)

UL proposes the following changes to UL 2127: vertical orientation of samples for leakage tests, extinguishing system units for protection of volumes less than 100 cubic meters, clarification to UL/ULC 2127 for consistency with UL/ULC 2166, aging tests - plastic materials, air oven aging test of plastic materials, and editorial corrections to the standard.

Single copy price: Free

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

Send comments (with copy to psa@ansi.org) to: Nicolette Weeks, (919) 549-0973, Nicolette.A.Weeks@ul.com

BSR/UL 2166-201X, Standard for Halocarbon Clean Agent Extinguishing System Units (revision of ANSI/UL 2166-2017)

UL proposes the following changes to UL 2166: automatic and manual systems, exception for the one-year time leakage test addition, extinguishing system units for protection of volumes less than 100 cubic meters, clarification to UL/ULC 2166 for consistency with UL/ULC 2127, aging tests - plastic materials, and air oven aging test of plastic materials.

Single copy price: Free

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

Send comments (with copy to psa@ansi.org) to: Nicolette Weeks, (919) 549-0973, Nicolette.A.Weeks@ul.com

Projects Withdrawn from Consideration

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:

ASABE (American Society of Agricultural and Biological Engineers)

BSR/ASABE S632-4 MONYEAR-201x, Precision Agriculture Irrigation Language: Sprinkler Charts (new standard)

Inquiries may be directed to Jean Walsh, (269) 932-7027, walsh@asabe.org

ASTM (ASTM International)

BSR/ASTM WK48113-201x, New Practice for Quick Calculation Methods for Performance-Based Fire Safety Design in the Built Environment (new standard)

DMSC, Inc. (Dimensional Metrology Standards Consortium, Inc.)

BSR/DML 1.0-200x, Dimensional Markup Language (DML) Specification (new standard)

Call for Comment of Limited Substantive Changes to Approved American National Standards (ANS)

(SAAMI) Sporting Arms and Ammunition Manufacturers Institute

45-Day Call for Comment Deadline: December 24, 2018

ANSI/SAAMI Z299.1-2015 (R2018)

Voluntary Industry Performance Standards for Pressure and Velocity of Rimfire Sporting Ammunition for the Use of Commercial Manufacturers

In the interests of safety and interchangeability, this Standard provides pressure and velocity performance and dimensional characteristics for rimfire sporting ammunition. Included are procedures and equipment for determining these criteria.

Single copy price: ANSI Member $35.00; Nonmember $45.00

Order paper copy from: Brian Osowiecki, SAAMI, 11 Mile Hill Road, Newtown, CT 06470-2359

Send comments (with copy to psa@ansi.org) to: Randy Bimson, Director of Technical Affairs, rbimson@saami.org

Obtain an electronic copy from: bosowiecki@saami.org

ANSI/SAAMI Z299.2-2015

Voluntary Industry Performance Standards for Pressure and Velocity of Shoshell Ammunition for Use by Commerical Manufacturers

In the interests of safety and interchangeability, this Standard provides pressure and velocity performance and dimensional characteristics for shotshell ammunition. Included are procedures and equipment for determining these criteria.

Single copy price: ANSI Member $35.00; Nonmember $45.00

Order paper copy from: Brian Osowiecki, SAAMI, 11 Mile Hill Road, Newtown, CT 06470-2359

Send comments (with copy to psa@ansi.org) to: Randy Bimson, Director of Technical Affairs, rbimson@saami.org

Obtain an electronic copy from: bosowiecki@saami.org

ANSI/SAAMI Z299.3-2015

Voluntary Performance Standards for Pressure and Velocity of Centerfire Pistol and Revolver Ammunition for Use by Commerical Manufacturers

In the interests of safety and interchangeability, this Standard provides pressure and velocity performance and dimensional characteristics for centerfire pistol and revolver sporting ammunition. Included are procedures and equipment for determining these criteria.

Single copy price: ANSI Member $35.00; Nonmember $45.00

Order paper copy from: Brian Osowiecki, SAAMI, 11 Mile Hill Road, Newtown, CT 06470-2359

Send comments (with copy to psa@ansi.org) to: Randy Bimson, Director of Technical Affairs, rbimson@saami.org

Obtain an electronic copy from: bosowiecki@saami.org

ANSI/SAAMI Z299.4-2015
Voluntary Industry Performance Standards for Pressure and Velocity of Centerfire Rifle Ammunition for the Use of Commercial Manufacturers
In the interests of safety and interchangeability, this Standard provides pressure and velocity performance and dimensional characteristics for centerfire rifle sporting ammunition. Included are procedures and equipment for determining these criteria.
Single copy price: ANSI Member $35.00; Nonmember $45.00
Order paper copy from: Brian Osowiecki, SAAMI, 11 Mile Hill Road, Newtown, CT 06470-2359
Send comments (with copy to psa@ansi.org) to: Randy Bimson, Director of Technical Affairs, rbimson@saami.org
Obtain an electronic copy from: bosowiecki@saami.org

ANSI/SAAMI Z299.5-2016
Voluntary Industry Performance Standards Criteria for Evaluation of New Firearms Designs Under Conditions of Abusive Mishandling for the Use of Commercial Manufacturers
This Standard provides procedures for evaluating new firearms designs and applies to rifle, shotguns, pistols and revolvers. In the interest of safety these tests are structured to demonstrate to the designer of new firearms that the product will resist abusive mishandling. These procedures are specifically understood not to apply to muzzle loading and black powder firearms of any type.
Single copy price: ANSI Member $35.00; Nonmember $45.00
Order paper copy from: Brian Osowiecki, SAAMI, 11 Mile Hill Road, Newtown, CT 06470-2359
Send comments (with copy to psa@ansi.org) to: Randy Bimson, Director of Technical Affairs, rbimson@saami.org
Obtain an electronic copy from: bosowiecki@saami.org

Call for Comment of Limited Substantive Changes to an Approved American National Standard (ANS)

PMMI (Organization) PMMI - The Association for Packaging and Processing Technologies
30-Day Call for Comment Deadline: December 9, 2018

ANSI/PMMI B155.1-2016, Safety Requirements for Packaging and Processing Machinery
(limited revision of ANSI/PMMI B155.1-2016)

This standard specifies basic terminology, principles and a methodology for achieving safety in the design and the use of machinery. It specifies principles of the iterative process of risk assessment and risk reduction to help designers, integrators and users of machinery in achieving this objective. Procedures are described for identifying hazards and estimating and evaluating risks during relevant phases of the machine life cycle, and for the elimination of hazards or the provision of sufficient risk reduction.
The requirements of this standard apply to new, modified or rebuilt industrial and commercial:
- processing machinery used to produce food, beverage and pharmaceutical products;
- packaging machinery that performs packaging functions for primary, secondary, and tertiary (transport / distribution) packaging;
- coordination of the packaging functions that take place on the production line; and
- packaging-related converting machinery.

The standard does not include packaging or processing machinery used by retail consumers.

Public Review
PMMI is submitting one change for public review. Changing a should to shall in clause 6.2.2.2
ANSI PMMI B155.1-2016 uses the iterative process of risk assessment for achieving acceptable risk for packaging and processing, and related converting machinery.

Clause 6.3 IDENTIFY HAZARDS deals with the most important step in the risk assessment process. A hazard must be identified before it can be evaluated, and risk reduction measures applied. The subclauses under 6.3 provide additional information regarding using a “hazard” based risk assessment (clause 6.3.1) or a “task” based risk assessment (clause 6.3.2). However, the fundamental “requirements” are in Clause 6.3. Clause 6.3 clearly states: The reasonably foreseeable hazards shall be identified for the applicable phases of the life cycle of the machinery.

Clause 6.3.2.2 is a subclause of 6.3. Clause 6.3.2.2 states:
In a task-based approach, tasks associated with the intended use and reasonably foreseeable misuse of the machinery shall should be identified. Identifying tasks shall include modes of operation and work methods during which it is necessary to suspend or modify one or more risk reduction measures. Hazards associated with the tasks shall be identified. Reasonably foreseeable hazards that are not related to tasks shall also be identified.

The PMMI B155.1-2016 committee considered the change from should to shall editorial and necessary to be consistent with the shall requirements of the parent clause 6.3. The PMMI B155.1-2016 committee did not consider the change in clause 6.3.2.2 was a “substantial change” in the requirements of the standard.

During the 2017-2018 ANSI audit the Executive Standards Council felt this was substantial change and therefore change is being noticed for public comment.

Obtain an electronic copy from: fhayes@pmmi.org
Send comments (with copy to psa@ansi.org) to: Fred Hayes, fhayes@pmmi.org, p: (269) 781-6567
Click here to view these changes in full

Call for Members (ANS Consensus Bodies)

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

AMCA (Air Movement and Control Association)

Office: 30 West University Drive
Arlington Heights, IL 60004-1893

Contact: *Erin Moore*

Phone: (847) 704-6285

E-mail: emoore@amca.org

BSR/AMCA 214-201x, Model Fan Efficiency Regulation for Stand-Alone Commercial and Industrial Fans (new standard)

ASME (American Society of Mechanical Engineers)

Office: Two Park Avenue
New York, NY 10016-5990

Contact: *Mayra Santiago*

Phone: (212) 591-8521

E-mail: ansibox@asme.org

BSR/ASME A13.1-201x, Scheme for the Identification of Piping Systems (revision of ANSI/ASME A13.1-2015)

CTA (Consumer Technology Association)

Office: 1919 South Eads Street
Arlington, VA 22202

Contact: *Veronica Lancaster*

Phone: (703) 907-7697

E-mail: vlancaster@cta.tech

BSR/CTA 2084-201x, Test Methods for Determining A/V Products Energy Efficiency (new standard)

ECIA (Electronic Components Industry Association)

Office: 2214 Rock Hill Road
Suite 265
Herndon, VA 20170-4212

Contact: *Laura Donohoe*

Phone: (571) 323-0294

E-mail: ldonohoe@ecianow.org

BSR/EIA 692-A-201x, Ceramic Capacitor Qualification Specification (new standard)

BSR/EIA 809-A-201x, Solid Tantalum Capacitor Application Guideline (new standard)

IAPMO (International Association of Plumbing & Mechanical Officials)

Office: 4755 E. Philadelphia Street
Ontario, CA 91761

Contact: *Hugo Aguilar*

Phone: (909) 472-4111

E-mail: hugo.aguilar@iapmo.org

BSR/IAPMO USPSHTC 1-201x, Uniform Swimming Pool, Spa & Hot Tub Code (revision of ANSI/IAPMO USPSHTC 1-2018)

BSR/IAPMO USHGC 1-201x, Uniform Solar, Hydronics and Geothermal Code (revision of ANSI/IAPMO USHGC 1-2018)

IICRC (The Institute of Inspection, Cleaning and Restoration Certification)

Office: 4043 South Eastern Avenue
Las Vegas, NV 89119

Contact: *Mili Washington*

Phone: (702) 850-2710

E-mail: mwashington@iicrcnet.org

BSR/IICRC S590-201x, Standard for HVAC Cleaning and Decontamination in a Water Damaged Environment (new standard)

BSR/IICRC S800-201x, Standard for Professional Inspection of Textile Floorcovering (revision of ANSI/IICRC S800-2013)

ISA (International Society of Automation)

Office: 67 Alexander Drive
Research Triangle Park, NC 27709

Contact: *Eliana Brazda*

Phone: (919) 990-9228

E-mail: ebrazda@isa.org

BSR/ISA 75.05.01-201x, Control Valve Terminology (revision of ANSI/ISA 75.05.01-2016)

OPEI (Outdoor Power Equipment Institute)

Office: 341 South Patrick Street
Alexandria, VA 22314

Contact: *Daniel Mustico*

Phone: (703) 678-2990

E-mail: dmustico@opei.org

BSR/OPEI B71.1-201x, Consumer Turf Care Equipment - Pedestrian-Controlled Mowers and Ride-On Mowers - Safety Specifications (revision of ANSI/OPEI B71.1-2017)

BSR/OPEI B71.4-201x, Commercial Turf Care Equipment - Safety Specifications (revision of ANSI/OPEI B71.4-2017)

UL (Underwriters Laboratories, Inc.)

Office: 333 Pfingsten Road
Northbrook, IL 60062

Contact: *Megan Monsen*

Phone: (847) 664-1292

E-mail: megan.monsen@ul.com

BSR/UL 498-201x, Standard for Safety for Attachment Plugs and Receptacles (revision of ANSI/UL 498-2018)

BSR/UL 758-201X, Standard for Safety for Appliance Wiring Material (revision of ANSI/UL 758-2017)

BSR/UL 2353-201x, Standard for Safety for Single- and Multi-Layer Insulated Winding Wire (revision of ANSI/UL 2353-2016)

Call for Members (ANS Consensus Bodies)

Call for Committee Members

ASC O1 – Safety Requirements for Woodworking Machinery

Are you interested in contributing to the development and maintenance of valuable industry safety standards? The ASC O1 is currently looking for members in the following categories:

- General Interest
- Government
- Producer
- User

If you are interested in joining the ASC O1, contact WMMA Associate Director Jennifer Miller at jennifer@wmma.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.

ADA (American Dental Association)

New National Adoption

ANSI/ADA 125-2018, Manual Interdental Brushes (identical national adoption of ISO 16409:2016 and revision of BSR/ADA Standard No. 125-201x): 10/31/2018

ANSI/ADA 144-2018, Alloy for Dental Amalgam (identical national adoption of ISO 20749:2017): 10/31/2018

Reaffirmation

ANSI/ADA 100, ISO 27020-2012 (R2018), Orthodontic Brackets and Tubes (reaffirmation of ANSI/ADA 100, ISO 27020-2012): 10/31/2018

ANSI/ADA Standard No. 1067-2013 (R2018), Electronic Dental System Standard - Functional Requirements (reaffirmation of ANSI/ADA Standard No. 1067-2013): 10/31/2018

ANSI/ADA Standard No. 109-2006 (R2018), Procedures for Storing Dental Amalgam Waste and Requirements for Amalgam Waste Storage/Shipment Containers (reaffirmation of ANSI/ADA Specification No. 109-2006 (R2012)): 10/31/2018

ANSI/ADA Standard No. 141 (ISO 14356)-2013 (R2018), Dental Duplicating Material (reaffirmation of ANSI/ADA Standard No. 141 (ISO 14356)-2013): 10/31/2018

ANSI/ADA Standard No. 30-2013 (R2018), Dental Zinc Oxide - Eugenol and Zinc Oxide - Non-Eugenol Cements (reaffirmation of ANSI/ADA Standard No. 30-2013): 10/31/2018

Withdrawal

ANSI/ADA Standard No. 102-1998 (R2015), Non-Sterile Nitrile Gloves for Dentistry (withdrawal of ANSI/ADA Standard No. 102-1998 (R2015)): 10/31/2018

ANSI/ADA Standard No. 103-2010 (R2015), Non-Sterile Poly(Vinyl Chloride) Gloves for Dentistry (withdrawal of ANSI/ADA Standard No. 103-2010 (R2015)): 10/31/2018

ANSI/ADA Standard No. 1040-2008 (R2013), Dental Extension to the ASTM Continuity of Care Record (withdrawal of ANSI/ADA Standard No. 1040-2008 (R2013)): 10/31/2018

ANSI/ADA Standard No. 76-2005 (R2015), Non-Sterile Latex Gloves for Dentistry (withdrawal of ANSI/ADA Standard No. 76-2005 (R2015)): 10/31/2018

ASA (ASC S1) (Acoustical Society of America)

Revision

ANSI/ASA S1.18-2018, Method for Determining the Acoustic Impedance of Ground Surfaces (revision of ANSI/ASA S1.18-2010): 10/31/2018

ASABE (American Society of Agricultural and Biological Engineers)

New National Adoption

ANSI/ASAE 5687-OCT2018, Equipment for harvesting - Combine harvesters - Determination and designation of grain tank capacity and unloading device performance (identical national adoption of ISO 5687:2018 and revision of ANSI/ASAE/ISO 5687-2014): 10/31/2018

Revision

ANSI/ASABE S602.3-OCT2018, General Safety Standard for Agricultural Tractors in Scraper Application (revision and redesignation of ANSI/ASABE S602.2-2015): 10/31/2018

ASME (American Society of Mechanical Engineers)

Reaffirmation

ANSI/ASME B29.12M-1997 (R2018), Steel Bushed Rollerless Chains, Attachments and Sprockets (reaffirmation of ANSI/ASME B29.12M -1997 (R2013)): 11/1/2018

ANSI/ASME B29.17M-1998 (R2018), Hinge Type Flat Top Conveyor Chains and Sprocket Teeth (reaffirmation of ANSI/ASME B29.17M -1998 (R2013)): 11/1/2018

Revision

ANSI/ASME HST-2-2018, Performance Standard for Hand Chain Manually Operated Chain Hoists (revision of ANSI/ASME HST-2 -2014): 10/30/2018

HL7 (Health Level Seven)

Revision

ANSI/HL7 V3 CPPV3MODELS, R2-2018, HL7 Version 3 Standard: Core Principles and Properties of Version 3 Models, Release 2 (revision and redesignation of ANSI/HL7 V3 CPPV3MODELS, R1 -2012): 11/1/2018

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

Revision

ANSI/ASSE Series 12000-2018, Professional Qualifications Standard for Infection Control Risk Assessment for All Buildings (revision of ANSI/ASSE Series 12000-2014): 10/31/2018

NAAMM (National Association of Architectural Metal Manufacturers)

Revision

ANSI/NAAMM HMMA 860-2018, Guide Specifications for Hollow Metal Doors and Frames (revision of ANSI/NAAMM HMMA 860-2013): 11/1/2018

NSF (NSF International)

Revision

ANSI/NSF 350-2018 (i28r2), Onsite Residential and Commercial Water Reuse Treatment Systems (revision of ANSI/NSF 350 -2017a): 11/1/2018

ANSI/NSF 426-2018 (i3r1), Environmental Leadership and Corporate Social Responsibility Assessment of Servers (revision of ANSI/NSF 426-2017): 10/22/2018

ANSI/NSF 426-2018 (i4r1), Environmental Leadership and Corporate Social Responsibility Assessment of Servers (revision of ANSI/NSF 426-2017): 10/19/2018

ANSI/NSF 426-2018 (i6r1), Environmental Leadership and Corporate Social Responsibility Assessment of Servers (revision of ANSI/NSF 426-2017): 10/19/2018

ANSI/NSF 426-2018 (i7r1), Environmental Leadership and Corporate Social Responsibility Assessment of Servers (revision of ANSI/NSF 426-2017): 10/19/2018

SCTE (Society of Cable Telecommunications Engineers)

Revision

ANSI/SCTE 19-2018, Methods for Isochronous Data Services Transport (revision of ANSI/SCTE 19-2013): 10/30/2018

ANSI/SCTE 24-22-2018, iLBCv2.0 Speech Codec Specification for Voice over IP Applications in Cable Telephony (revision of ANSI/SCTE 24-22-2013): 10/30/2018

ANSI/SCTE 52-2018, Data Encryption Standard - Cipher Block Chaining Packet Encryption Specification (revision of ANSI/SCTE 52-2013): 10/30/2018

ANSI/SCTE 71-2018, Specification for Series 15, Braided, 75, Coaxial, Mulit-Purpose Cable (revision of ANSI/SCTE 71 2008): 10/31/2018

ANSI/SCTE 128-1-2018, AVC Video Constraints for Cable Television - Part 1: Coding (revision of ANSI/SCTE 128-1-2010): 11/2/2018

ANSI/SCTE 128-2-2018, AVC Video Constraints for Cable Television - Part 2: Transport (revision of ANSI/SCTE 128-2-2010): 11/2/2018

ANSI/SCTE 197-2018, Recommendations for Spot Check Loudness Measurements (revision of ANSI/SCTE 197-2013): 11/5/2018

ANSI/SCTE 201-2018, Open Media Security (OMS) Root Key Derivation Profiles and Test Vectors (revision of ANSI/SCTE 201 -2013): 10/31/2018

UL (Underwriters Laboratories, Inc.)

Reaffirmation

ANSI/UL 2368-2014 (R2018), Standard for Safety for Fire Exposure Testing of Rigid Nonmetallic and Composite Nonmetallic Intermediate Bulk Containers for Combustible Liquids (reaffirmation of ANSI/UL 2368-2014): 10/10/2018

Revision

ANSI/UL 845-2018, Standard for Safety for Motor Control Centers (revision of ANSI/UL 845-2011): 10/31/2018

ANSI/UL 845-2018a, Standard for Safety for Motor Control Centers (revision of ANSI/UL 845-2011): 10/31/2018

Project Initiation Notification System (PINS)

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

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

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

AAFS (American Academy of Forensic Sciences)

Contact: Teresa Ambrosius, (719) 453-1036, tambrosius@aafs.org
410 North 21st Street, Colorado Springs, CO 80904

New Standard

BSR/ASB Std 105-201x, Minimum Education Requirements for Firearm and Toolmark Examiner Trainees (new standard)

Stakeholders: Firearm and tool mark examiners and technicians; forensic service providers that provide firearm and tool mark examination services; judicial system; law enforcement investigators; and general public.

Project Need: Currently, there are no formal guidelines for educational requirements for firearm/toolmark examiner trainees. It is important to establish standards to guide hiring practices.

This document provides the minimum education requirements for forensic laboratory employees entering a training program in firearm and toolmark examination. This document does not apply to previously trained and qualified firearm and toolmark examiners who may be temporarily referred to as trainees when they change employment.

AMCA (Air Movement and Control Association)

Contact: Erin Moore, (847) 704-6285, emoore@amca.org
30 West University Drive, Arlington Heights, IL 60004-1893

New Standard

BSR/AMCA 214-201x, Model Fan Efficiency Regulation for Stand-Alone Commercial and Industrial Fans (new standard)

Stakeholders: Manufacturers, including motor and fan manufacturers; environmental advocates; government regulators; users of commercial and industrial fans and blowers; testing labs; electric utilities; associations within the HVAC industry (trade associations and professional societies); building industry; building industry consultants; and engineers.

Project Need: The goal is to harmonize state regulation of fans with eventual Department of Energy federal regulations. It may also be used internationally.

This standard will provide regulators with a draft model regulation for the energy efficiency of commercial fans and blowers. The regulation would include testing, labeling, and compliance verification requirements. It will be based on AMCA Standard 208 and relevant fan-testing standards. The model regulation will include, as a minimum: Definitions, Acceptable rating methods, Scope of fan types and sizes, Exclusions, Labeling, and Verification.

ANS (American Nuclear Society)

Contact: Kathryn Murdoch, (708) 579-8268, kmurdoch@ans.org
555 North Kensington Avenue, La Grange Park, IL 60526

New Standard

BSR/ANS 6.1.1-201x, Neutron and Photon Fluence-to-Dose Conversion Coefficients (new standard)

Stakeholders: NRC, DOE, EPA, DHS, nuclear power companies, medical radiation facilities, spent fuel storage.

Project Need: ANSI/ANS 6.1.1 is currently a historical standard. The International Commission on Radiological Protection has recently issued new recommendations for effective dose methodology (Publication 103) and has reported dose coefficients to convert from fluence to dose using the new methodology (Publication 116). Federal agencies have indicated they will pursue the use of ICRP 103 definitions of effective dose and equivalent dose in future rule making. Similarly, nuclear corporations involved in facility and product design internationally will use these latest definitions and dose coefficients to satisfy the requirements of most countries.

This standard presents data recommended for computing the biologically relevant dosimetric quantity in photon and neutron radiation fields. Specifically, this standard is intended for use by radiation shielding designers for the calculation of effective dose. Fit coefficients are given for evaluating whole-body effective dose per unit fluence for photons with energy between 10 keV to 10 GeV and for neutrons with energy between 0.001 eV to 10 GeV. Eight different irradiation geometries are considered. Establishing exposure limits is outside the scope of this standard.

ASME (American Society of Mechanical Engineers)

Contact: Mayra Santiago, (212) 591-8521, ansibox@asme.org
Two Park Avenue, New York, NY 10016-5990

New Standard

BSR/ASME B31W-201x, Standard Method for Evaluation of the Design of Rectangular Cross Section Attachments on ASME B31 Piping Codes (new standard)

Stakeholders: Process Piping, Power Piping, Liquid and Gas Pipeline industries; contractors; federal and state regulators[and service providers.

Project Need: The need for this document is to provide a method to analyze rectangular cross-section attachments to piping and determine the effect of the attachment on the pressure integrity on the pipeline system.

The ASME B31 Code for Pressure Piping consists of a number of individually published Sections and Standards, each an American National Standard, under the direction of the ASME Committee B31, Code for Pressure Piping. The Standard, "B31W Standard Method for Evaluation of the Design of Rectangular Cross Section Attachments on ASME B31 Piping Codes" will provide a standardized procedure to determine the effect of the rectangular attachments to above-ground pipe systems. The standard will apply to above-ground metallic piping systems in the scope of the ASME B31 Code for Pressure Piping (B31.1, B31.3, B31.4, B31.5, B31.8, B31.9, B31.11). The requirements described in this Standard are valid when the piping system complies with the materials, design, fabrication, examination, testing, and inspection requirements of the applicable ASME B31 Code section. Of primary concern, damages to piping systems and pipelines due to integral attachments to the piping system without a consistent approach continue to occur. Design guidance and clear explanations and understanding are required for rectangular attachment to the piping systems and will be provided in this document.

Revision

BSR/ASME A13.1-201x, Scheme for the Identification of Piping Systems (revision of ANSI/ASME A13.1-2015)

Stakeholders: Piping systems' manufacturers, installers, maintainers, suppliers, purchasers, owners of equipment, labor union, enforcing authorities, specialists, insurance, inspectors, general interests.

Project Need: Updates to this document are required to incorporate proposed revisions.

ASME A13.1 establishes a common system to assist in identification of hazardous materials conveyed in piping systems and their hazards when released in the environment

BSR/ASME A112.4.4-201x, Plastic Push-Fit Drain, Waste and Vent (DWV) Fittings (revision of ANSI/ASME A112.4.4-2017)

Stakeholders: Manufacturers, users, laboratory.

Project Need: Revise the Standard to add a different type of end connection that is still a push-on type with a compression nut currently not covered by the Standard.

This Standard covers reversible push-fit drain, waste, and vent (DWV) fittings intended for quick assembly of IPS Schedule 40 series PVC and ABS DWV plastic pipe and fittings for applications above- and belowground at temperatures from 32°F to 140°F (0° C to 60°C), and specifies requirements for materials, physical characteristics, performance testing, and markings

BSR/ASME Y14.8-201x, Castings, Forgings and Molded Parts (revision of ANSI/ASME Y14.8-2009 (R2014))

Stakeholders: Companies involved in design and manufacturing of parts via castings, forging, or molded parts (e.g., automotive).

Project Need: Standard is being updated to align with latest Y14.5 requirements. More details are being included to ensure tolerance of position to a mold line, and 3D views examples are being added

This Standard covers definitions of terms and features unique to casting, forging, and molded part technologies with recommendations for their uniform specification on engineering drawings or models and related documentation

CSA (CSA Group)

Contact: Cathy Rake, (216) 524-4990 EXT 88321, cathy.rake@csagroup.org
8501 East Pleasant Valley Road, Cleveland, OH 44131

Revision

BSR/CSA NGV 3.1/CSA 12.3-201x, Fuel system components for compressed natural gas powered vehicles (revision of ANSI/CSA NGV 3.1/CSA 12.3-2014)

Stakeholders: Industry, manufacturers, consumers, certification agencies.

Project Need: Revise and update for safety.

This standard contains requirements for newly produced compressed natural gas fuel system components, intended for use on natural gas powered vehicles. This standard applies to devices which have a service pressure of either 16 500 kPa (2,400 psi), 20 700 kPa (3,000 psi), or 24 800 kPa (3,600 psi). Components included in this standard include: check valve; manual valve, manual container valve, automatic valve, gas injector, pressure indicator, pressure regulator, gas flow adjustor, gas/air mixer, pressure relief valve, pressure relief device, excess flow valve, gas-tight housing and ventilation hose, rigid fuel line, flexible fuel line, filter, fittings, and relief line closures.

BSR/PRD 1-201x, Pressure relief devices for natural gas vehicle (NGV) fuel containers (revision of ANSI/PRD 1-2013 (R2018))

Stakeholders: Emergency responses, consumers, manufacturers.

Project Need: Update to reflect new technology.

This standard contains specifications for the materials, design, manufacture, and testing of pressure relief devices produced for use on NGV fuel containers. NGV fuel containers comply with the NGV2, FMVSS304, and/or CSA B51 Part 2 standards, as appropriate.

CSA (CSA Group)

Contact: David Zimmerman, (216) 524-4990, david.zimmerman@csagroup.org
8501 E. Pleasant Valley Road, Cleveland, OH 44131

New Standard

BSR/CSA T200-201x, Software development and cybersecurity evaluation program (new standard)

Stakeholders: Electrical utilities, manufacturers of connected products for business use or for consumer use, governments, regulators.

Project Need: To support innovation in the field of verification of software, product, and system development with a focus on cybersecurity, providing requirements for the use of cybersecurity verification in the North American context. Supporting organizations consider the maturity of both the organization and the product/system development process as key to providing overall security maturity to all products/systems being developed. This secure-by-design approach allows for the design, development, installation, support, and maintenance and upgrade of their products through their lifetime, and that evaluating the developer, their development processes, and the product itself is essential to a thorough evaluation of any product/system.

This standard provides a methodology to determine the maturity of a software development organization. It also provides a broad view to both domains and practice areas that are measurable and a baseline for product/solution cyber risk. This will include both security and privacy elements of the organization that directly impact the product(s)/solution(s) being developed. As a result of the process, an external organization will be able to determine the overall maturity of both the organization and products being developed.

CTA (Consumer Technology Association)

Contact: Veronica Lancaster, (703) 907-7697, vlancaster@cta.tech
1919 South Eads Street, Arlington, VA 22202

New Standard

BSR/CTA 2084-201x, Test Methods for Determining A/V Products Energy Efficiency (new standard)

Stakeholders: Consumers, manufacturers, and retailers.

Project Need: To define methods for measuring Audio Video (A/V) products' energy efficiency and related items.

CTA 2084 defines methods for measuring Audio Video (A/V) products' energy efficiency and related items.

ECIA (Electronic Components Industry Association)

Contact: Laura Donohoe, (571) 323-0294, ldonohoe@ecianow.org
2214 Rock Hill Road, Suite 265, Herndon, VA 20170-4212

New Standard

BSR/EIA 692-A-201x, Ceramic Capacitor Qualification Specification (new standard)

Stakeholders: Electronics, Electrical, and Telecommunications industries.

Project Need: Revise and redesignate standard.

This specification defines the qualification program for ceramic capacitors. The qualification program is defined in table 1. Specification sheets can be added, as required, to define specific products or to cover unique/specific requirements.

BSR/EIA 809-A-201x, Solid Tantalum Capacitor Application Guideline (new standard)

Stakeholders: Electronics, Electrical, and Telecommunications industries.

Project Need: Revise and redesignate this standard and elevate it to an American National Standard.

Solid electrolytic tantalum capacitors are those devices having a sintered tantalum anode that incorporates a solid electrolyte counter-electrode layer. They are polar devices, having distinct positive and negative terminals, and are offered in a variety of styles that include both molded and conformal coated versions of radial, axial, and surface-mount configurations.

Revision

BSR/EIA 717-B-201x, Surface Mount Tantalum Capacitor Qualification Specification (revision and redesignation of ANSI/EIA 717-A -2010)

Stakeholders: Electronics, Electrical, and Telecommunications industries.

Project Need: Revise and redesignate standard.

This specification defines the qualification program for surface mount tantalum and niobium capacitors. Table 2 lists the tests required. Specification sheets can be added, as required, to define specific products or to cover unique/specific requirements.

IAPMO (International Association of Plumbing & Mechanical Officials)

Contact: Hugo Aguilar, (909) 472-4111, hugo.aguilar@iapmo.org
4755 E. Philadelphia Street, Ontario, CA 91761

Revision

BSR/IAPMO USHGC 1-201x, Uniform Solar, Hydronics and Geothermal Code (revision of ANSI/IAPMO USHGC 1-2018)

Stakeholders: Manufacturers, users of this code, installers and maintainers, labor, research/standards/testing laboratories, enforcing authorities, consumers, and special experts.

Project Need: The Uniform Solar, Hydronics and Geothermal Code will provide the built industry with uniform solar, hydronics, and geothermal standards resulting in a reduction in training costs and product development costs, and in price reduction for consumers. Additionally, this code will address sustainable energy, hydronics, and geothermal practices, and will serve to coalesce and integrate the hydronics and geothermal industry. This American National Standard provides consumers with safe solar, hydronic, and geothermal energy systems while allowing latitude for innovation and new technologies.

The provisions of this code applies to the erection, installation, alteration, repair, relocation, replacement, addition to, use, or maintenance of solar energy, hydronic, and geothermal energy systems including but not limited to equipment and appliances intended for space heating or cooling; water heating; swimming pool heating or process heating; and snow and ice melt systems.

BSR/IAPMO USPSHTC 1-201x, Uniform Swimming Pool, Spa & Hot Tub Code (revision of ANSI/IAPMO USPSHTC 1-2018)

Stakeholders: Manufacturers, users of the code, installers and maintainers, labor, research/standards/testing laboratories, enforcing authorities, consumers, and special experts

Project Need: The provisions of this code shall apply to the erection, installation, alteration, repair, relocation, replacement, addition to, use, or maintenance of swimming pool, spa, and hot tub systems.

The Uniform Swimming Pool, Spa & Hot Tub Code provides the built industry with uniform swimming pool, spa, and hot tub standards resulting in a reduction in training costs, product development costs, and in price reduction for consumers. This American Nation Standard provides consumers with safe swimming pool, spa, and hot tub units while allowing latitude for innovation and new technologies.

ISA (International Society of Automation)

Contact: Eliana Brazda, (919) 990-9228, ebrazda@isa.org
67 Alexander Drive, Research Triangle Park, NC 27709

Revision

BSR/ISA 75.05.01-201x, Control Valve Terminology (revision of ANSI/ISA 75.05.01-2016)

Stakeholders: Manufacturers, users, regulatory bodies, testing laboratories,

Project Need: To provide a glossary of definitions commonly used in the control valve industry.

This standard contains terminology for control valves.

OPEI (Outdoor Power Equipment Institute)

Contact: Daniel Mustico, (703) 678-2990, dmustico@opei.org
341 South Patrick Street, Alexandria, VA 22314

Revision

BSR/OPEI B71.1-201x, Consumer Turf Care Equipment - Pedestrian-Controlled Mowers and Ride-On Mowers - Safety Specifications (revision of ANSI/OPEI B71.1-2017)

Stakeholders: Producers, users, general interest.

Project Need: Revise current American National Standard.

The safety specifications given in this standard are for powered (a) reel and rotary pedestrian-controlled lawn mowers, (b) reel and rotary ride-on lawn mowers, (c) ride-on lawn tractors with mower attachments, (d) ride-on lawn and garden tractors with mower attachments, and (e) lever-steer and zero-turn ride-on mowers.

BSR/OPEI B71.4-201x, Commercial Turf Care Equipment - Safety Specifications (revision of ANSI/OPEI B71.4-2017)

Stakeholders: Producers, users, general interest.

Project Need: Revise current American National Standard.

The safety specifications given in this standard are for powered (a) pedestrian-controlled machines, (b) ride-on machines, and (c) implements for use with pedestrian and ride-on machines intended for marketing as commercial turf care equipment and that are customarily used by hired operators.

American National Standards Maintained 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-AGRSS (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)**
- **IES (Illuminating Engineering Society)**
- **ITI (InterNational Committee for Information Technology Standards)**
- **MHI (Material Handling Industry)**
- **NAHBRC (NAHB Research Center, Inc.)**
- **NBBPVI (National Board of Boiler and Pressure Vessel Inspectors)**
- **NCPDP (National Council for Prescription Drug Programs)**
- **NEMA (National Electrical Manufacturers Association)**
- **NISO (National Information Standards Organization)**
- **NSF (NSF International)**
- **PRCA (Professional Ropes Course Association)**
- **RESNET (Residential Energy Services Network, Inc.)**
- **SAE (SAE International)**
- **TCNA (Tile Council of North America)**
- **TIA (Telecommunications Industry Association)**
- **UL (Underwriters Laboratories, Inc.)**

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 “Standards Activities,” click on “Public Review and Comment” and “American National Standards Maintained Under Continuous Maintenance.” This information is also available directly at www.ansi.org/publicreview

Alternatively, you may contact the Procedures & Standards Administration department (PSA) at psa@ansi.org or via fax at 212-840-2298. If you request that information be provided via E-mail, please include your E-mail address; if you request that information be provided via fax, please include your fax number. Thank you.

ANSI-Accredited Standards Developers Contact Information

The addresses listed in this section are to be used in conjunction with standards listed in PINS, Call for Comment 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 Standards Action Editor at standact@ansi.org.

AAFS
American Academy of Forensic Sciences

410 North 21st Street
Colorado Springs, CO 80904
Phone: (719) 453-1036

Web: www.aafs.org

ADA (Organization)
American Dental Association

211 East Chicago Avenue
Chicago, IL 60611-2678
Phone: (312) 587-4129

Web: www.ada.org

AMCA
Air Movement and Control Association

30 West University Drive
Arlington Heights, IL 60004-1893
Phone: (847) 704-6285

Web: www.amca.org

ANS
American Nuclear Society

555 North Kensington Avenue
La Grange Park, IL 60526
Phone: (708) 579-8268

Web: www.ans.org

API
American Petroleum Institute

1220 L Street, NW
Washington, DC 20005-4070
Phone: (202) 682-8151

Web: www.api.org

ASA (ASC S1)
Acoustical Society of America

1305 Walt Whitman Road
Suite 300
Melville, NY 11747
Phone: (631) 390-0215

Web: www.acousticalsociety.org

ASABE
American Society of Agricultural and Biological Engineers

2950 Niles Road
Saint Joseph, MI 49085
Phone: (269) 932-7015

Web: www.asabe.org

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

1791 Tullie Circle NE
Atlanta, GA 30329
Phone: (678) 539-1111

Web: www.ashrae.org

ASME
American Society of Mechanical Engineers

Two Park Avenue
New York, NY 10016-5990
Phone: (212) 591-8521

Web: www.asme.org

AWS
American Welding Society

8669 NW 36th Street
Suite 130
Doral, FL 33166
Phone: (305) 443-9353

Web: www.aws.org

CSA
CSA Group

8501 E. Pleasant Valley Road
Cleveland, OH 44131
Phone: (216) 524-4990

Web: www.csagroup.org

CTA
Consumer Technology Association

1919 South Eads Street
Arlington, VA 22202
Phone: (703) 907-7697

Web: www.cta.tech

ECIA
Electronic Components Industry Association

2214 Rock Hill Road
Suite 265
Herndon, VA 20170-4212
Phone: (571) 323-0294

Web: www.ecianow.org

ESTA
Entertainment Services and Technology Association

630 Ninth Avenue
Suite 609
New York, NY 10036-3748
Phone: (212) 244-1505

Web: www.esta.org

HL7
Health Level Seven

3300 Washtenaw Avenue
Suite 227
Ann Arbor, MI 48104
Phone: (734) 677-7777

Web: www.hl7.org

IAPMO
International Association of Plumbing & Mechanical Officials

4755 E. Philadelphia Street
Ontario, CA 91761
Phone: (909) 472-4111

Web: www.iapmo.org

IAPMO (ASSE Chapter)
ASSE International Chapter of IAPMO

18927 Hickory Creek Drive
Suite 220
Mokena, IL 60448
Phone: (708) 995-3015

Web: www.asse-plumbing.org

ISA (Organization)
International Society of Automation

67 Alexander Drive
Research Triangle Park, NC 27709
Phone: (919) 990-9228

Web: www.isa.org

NAAMM
National Association of Architectural Metal Manufacturers

123 College Place
#1101
Norfolk, VA 23510
Phone: (757) 489-0787

Web: www.naamm.org

NSF
NSF International

789 N. Dixboro Road
Ann Arbor, MI 48105-9723
Phone: (734) 418-6660

Web: www.nsf.org

OPEI
Outdoor Power Equipment Institute

341 South Patrick Street
Alexandria, VA 22314
Phone: (703) 678-2990

Web: www.opei.org

SCTE
Society of Cable Telecommunications Engineers

140 Philips Rd
Exton, PA 19341
Phone: (800) 542-5040

Web: www.scte.org

UL
Underwriters Laboratories, Inc.

12 Laboratory Drive
Research Triangle Park, NC 27709
-3995
Phone: (919) 549-1851

Web: www.ul.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 Tony Zertuche, General Secretary, USNC/IEC, at ANSI's New York offices (tzertuche@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

CONCRETE, REINFORCED CONCRETE AND PRE-STRESSED CONCRETE (TC 71)

ISO/DIS 21914, Test methods for fibre-reinforced cementitious composites - Bending moment-curvature curve by four-point bending test - 11/22/2018, $53.00

ISO/DIS 10406-3, Fibre-reinforced polymer (FRP) reinforcement of concrete - Test methods - Part 3: CFRP strips - 1/19/2019, $53.00

ISO/DIS 13315-6, Environmental management for concrete and concrete structures - Part 6: Use of concrete structures - 11/24/2018, $88.00

EQUIPMENT FOR FIRE PROTECTION AND FIRE FIGHTING (TC 21)

ISO/DIS 14520-5, Gaseous fire-extinguishing systems - Physical properties and system design - Part 5: FC-5-1-14 extinguishant - 11/5/2025, $53.00

ISO/DIS 14520-8, Gaseous fire-extinguishing systems - Physical properties and system design - Part 8: HFC 125 extinguishant - 1/19/2019, $40.00

ISO/DIS 14520-9, Gaseous fire-extinguishing systems - Physical properties and system design - Part 9: HFC 227ea extinguishant - 1/19/2019, $46.00

ISO/DIS 14520-10, Gaseous fire-extinguishing systems - Physical properties and system design - Part 10: HFC 23 extinguishant - 1/19/2019, $46.00

FIRE SAFETY (TC 92)

ISO/DIS 834-2, Fire-resistance tests - Elements of building construction - Part 2: Requirements and recommendations for measuring furnace exposure on test samples - 1/19/2019, $67.00

FLOOR COVERINGS (TC 219)

ISO/DIS 24337, Laminate floor coverings - Determination of geometrical characteristics - 1/19/2019, $53.00

FLUID POWER SYSTEMS (TC 131)

ISO/DIS 10094-1, Pneumatic fluid power - Electro-pneumatic pressure control valves - Part 1: Main characteristics to include in the suppliers literature - 11/22/2018, $67.00

GEOSYNTHETICS (TC 221)

ISO/DIS 12956, Geotextiles and geotextile-related products - Determination of the characteristic opening size - 1/19/2019, $62.00

INDUSTRIAL FANS (TC 117)

ISO/DIS 13350, Fans - Performance testing of jet fans - 1/19/2019, $102.00

MECHANICAL VIBRATION AND SHOCK (TC 108)

ISO/DIS 16063-34, Methods for the calibration of vibration and shock transducers - Part 34: Testing of sensitivity at fixed temperatures - 11/24/2018, $53.00

PETROLEUM PRODUCTS AND LUBRICANTS (TC 28)

ISO/DIS 6521-1, Lubricants, industrial oils and related products (Class L) - Family D (compressors) - Part 1: Specifications of categories DAA and DAB (lubricants for reciprocating and drip feed rotary air compressors) - 11/26/2018, $40.00

ISO/DIS 6521-3, Lubricants, industrial oils and related products (Class L) - Family D (compressors) - Part 3: Specifications of categories DRA, DRB, DRC, DRD, DRE, DRF and DRG (lubricants for refrigerating compressors) - 11/26/2018, $62.00

PHOTOGRAPHY (TC 42)

ISO/DIS 18937, Imaging materials - Photographic reflection prints - Methods for measuring indoor light stability - 11/22/2018, $77.00

ROAD VEHICLES (TC 22)

ISO/DIS 19585, Heavy commercial vehicles and buses - Vehicle dynamics simulation and validation - Steady-state circular driving behavior - 1/19/2019, $67.00

ISO/DIS 22565, Road vehicles - Durability test method of starter relay for stop and start system - 11/25/2018, $46.00

ISO/DIS 19072-2, Road vehicles - Connection interface for pyrotechnic devices, two-way and three-way connections - Part 2: Test methods and general performance requirements - 11/23/2018, $77.00

ISO/DIS 8820-12, Road vehicles - Fuse-links - Part 12: Fuse-links with tabs (blade type) Type C (medium), Type E (high current) and Type F (miniature) - 1/21/2019, $58.00

TECHNICAL DRAWINGS, PRODUCT DEFINITION AND RELATED DOCUMENTATION (TC 10)

ISO/DIS 6414, Technical product documentation (TPD) - Technical drawings for glassware - 1/14/2019, $67.00

THERMAL INSULATION (TC 163)

ISO/DIS 17738-3, Thermal insulation products - Exterior insulation and finish systems - Part 3: Design requirements - 11/23/2018, $62.00

TOBACCO AND TOBACCO PRODUCTS (TC 126)

ISO 8454/DAmd2, Cigarettes - Determination of carbon monoxide in the vapour phase of cigarette smoke - NDIR method - Amendment 2 - 1/19/2019, $29.00

ISO 20779/DAmd1, Cigarettes - Generation and collection of total particulate matter using a routine analytical smoking machine with an intense smoking regime - Amendment 1 - 1/19/2019, $29.00

ISO/DIS 4387, Cigarettes - Determination of total and nicotine-free dry particulate matter using a routine analytical smoking machine - 1/19/2019, $82.00

TRANSPORT INFORMATION AND CONTROL SYSTEMS (TC 204)

ISO/DIS 21219-2, Intelligent transport systems - Traffic and travel information (TTI) via transport protocol experts group, generation 2 (TPEG2) - Part 2: UML modelling rules (TPEG2-UMR) - 1/13/2019, $112.00

ISO/IEC JTC 1, Information Technology

ISO/IEC 23001-7/DAmd1, Information technology - MPEG systems technologies - Part 7: Common encryption in ISO base media file format files - Amendment 1: Multi-keyed samples, content sensitive encryption and item protection - 1/19/2019, $77.00

ISO/IEC 23009-2/DAmd1, Information technology - Dynamic adaptive streaming over HTTP (DASH) - Part 2: Conformance and reference software - Amendment 1: Conformance vectors and reference software for SRD, SAND and Server Push - 1/19/2019, $102.00

ISO/IEC 29199-2/DAmd3, Information technology - JPEG XR image coding system - Part 2: Image coding specification - Amendment 3: Support for JPEG XR coding in the ISO/IEC 23008-12 file format - 1/17/2019, $46.00

ISO/IEC 14496-12/DAmd2, Information technology - Coding of audio-visual objects - Part 12: ISO base media file format - Amendment 2: Box relative data addressing and other improvements - 1/21/2019, $53.00

ISO/IEC DIS 25030, Systems and software engineering - Systems and software quality requirements and evaluation (SQuaRE) - Quality requirements framework - 11/23/2018, $112.00

ISO/IEC DIS 27102, Information technology - Security techniques - Information security management guidelines for cyber insurance - 1/17/2019, $71.00

ISO/IEC DIS 27552, Security techniques - Extension to ISO/IEC 27001 and ISO/IEC 27002 for privacy information management - Requirements and guidelines - 1/19/2019, $146.00

ISO/IEC DIS 30111, Information technology - Security techniques - Vulnerability handling processes - 11/24/2018, $62.00

ISO/IEC DIS 19757-3, Information technology - Document Schema Definition Languages (DSDL) - Part 3: Rule-based validation - Schematron - 11/22/2018, $112.00

ISO/IEC DIS 21122-3, Information technology - JPEG XS low-latency lightweight image coding system - Part 3: Transport and container formats - 1/17/2019, $134.00

ISO/IEC DIS 23005-7, Information technology - Media context and control - Part 7: Conformance and reference software - 1/24/2019, $112.00

ISO/IEC DIS 23008-6, Information technology - High efficiency coding and media delivery in heterogeneous environments - Part 6: 3D audio reference software - 1/17/2019, $33.00

ISO/IEC DIS 30134-6, Information technology - Data centres - Key performance indicators - Part 6: Energy Reuse Factor (ERF) - 11/23/2018, $53.00

ISO/IEC DIS 15444-15, Information technology - JPEG 2000 image coding system - Part 15: High-Throughput JPEG 2000 - 1/17/2019, $134.00

ISO/IEC DIS 15444-16, Information technology - JPEG 2000 image coding system - Part 16: Encapsulation of JPEG 2000 Images into ISO/IEC 23008-12 - 1/17/2019, $46.00

ISO/IEC/IEEE DIS 21841, Systems and software engineering - Taxonomy of systems of systems - 11/23/2018, $58.00

IEC Standards

2/1930/DC, Proposed revision of IEC 60034-18-1:2010 ED 2 - “Rotating electrical machines - Part 18-1: Functional evaluation of insulation systems - General guidelines" for approval and comment, /2018/12/1

9/2462/CD, IEC 62973-4 ED1: Railway applications - Rolling stock - Batteries for auxiliary power supply systems - Part 4: Secondary sealed nickel-metal hydride batteries, 2019/1/25

27/1100/CD, IEC 60519-4 ED5: Safety in electroheating installations - Part 4: Particular requirements for arc furnace installations, 2019/1/25

45A/1243/CD, IEC 60987 ED3: Nuclear power plants - Instrumentation and control systems important to safety - Hardware design requirements, 2019/1/25

46F/435/CD, IEC TS 61169-1-51 ED1: Radio frequency connectors - Part 1-51: Uncertainty specification of frequency domain test for return loss, 2019/1/25

51/1252/CD, IEC 63093-2 ED1: Ferrite cores - Guidelines on dimensions and the limits of surface irregularities - Part 2: Pot-cores for use in telecommunications, power supply, and filter applications, 2019/1/25

51/1255/CD, IEC 63182-2 ED1: Magnetic powder cores - Guidelines on dimensions and the limits of surface irregularities - Part 2: Ring-cores, 2019/1/25

51/1254/CD, IEC 63182-1 ED1: Magnetic powder cores - Guidelines on dimensions and the limits of surface irregularities - Part1: General specification, 2019/1/25

57/2043/CDV, IEC 61968-1 ED3: Application integration at electric utilities - System interfaces for distribution management - Part 1: Interface architecture and general recommendations, 2019/1/25

77A/1015/CD, IEC 61000-3-12/AMD1/FRAG1 ED2: Fragment 1: Electromagnetic compatibility (EMC) - Part 3-12: Limits - Limits for harmonic currents produced by equipment connected to public low-voltage systems with input current >16 A and ≤ 75 A per phase, /2018/12/2

82/1499/DTR, IEC TR 63225 ED1: Incompatibility of connectors for DC-application in photovoltaic systems, /2018/12/2

82/1501/DTR, IEC TR 63227 ED1: Lightning and surge voltage protection for photovoltaic (PV) power supply systems, /2018/12/2

82/1502/DTR, IEC TR 63228 ED1: Measurement protocols for photovoltaic devices based on organic, dye-sensitized or perovskite materials, /2018/12/2

82/1500/DTR, IEC TR 63226 ED1: Managing risk related to photovoltaic (PV) systems on buildings, /2018/12/2

86B/4154/CD, IEC 61300-2-56 ED1: Fibre optic interconnecting devices and passive components - basic test and measurement procedure - Part 2-56: Tests - Wind resistance of mounted housing, 2019/1/25

110/1055/DTS, IEC TS 62715-5-4 ED1: Flexible display devices - Part 5-4: Measuring method of blur in flexible transparent displays, 2019/1/25

121B/75/CD, IEC 61439-2 ED3: Low-voltage switchgear and controlgear assemblies - Part 2: Power switchgear and controlgear assemblies, /2018/12/2

CIS/B/715A/FDIS, CISPR 11/AMD2/Ed6 Amendment 2: Requirements for semiconductor power converters (SPC)/ Improvement of repeatability for measurements in the frequency range 1-18 GHz, /2018/11/2

SyCAAL/124/NP, PNW SYCAAL-124: AAL Reference Architecture and Architecture Model, 2019/1/25

JTC1-SC25/2844/NP, PNW JTC1-SC25-2844: 15045-3-2 Information technology - Home Electronic System - HES Gateway Privacy Framework, 2019/1/25

JTC1-SC25/2827/CDV, ISO/IEC 14763-2 ED2: Information technology - Implementation and operation of customer premises cabling - Part 2: Planning and installation, 2019/1/25

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

ACOUSTICS (TC 43)

ISO 9053-1:2018, Acoustics - Determination of airflow resistance - Part 1: Static airflow method, $68.00

CHAIN OF CUSTODY OF WOOD AND WOOD-BASED PRODUCTS (TC 287)

ISO 38200:2018, Chain of custody of wood and wood-based products, $162.00

ERGONOMICS (TC 159)

ISO 20685-1:2018, 3-D scanning methodologies for internationally compatible anthropometric databases - Part 1: Evaluation protocol for body dimensions extracted from 3-D body scans, $138.00

GEOTECHNICS (TC 182)

ISO 22477-1:2018, Geotechnical investigation and testing - Testing of geotechnical structures - Part 1: Testing of piles: static compression load testing, $138.00

HUMAN RESOURCE MANAGEMENT (TC 260)

ISO 30401:2018, Knowledge management systems - Requirements, $138.00

INDUSTRIAL AUTOMATION SYSTEMS AND INTEGRATION (TC 184)

ISO 8000-2:2018, Data quality - Part 2: Vocabulary, $45.00

INDUSTRIAL TRUCKS (TC 110)

ISO 22915-4:2018, Industrial trucks - Verification of stability - Part 4: Pallet stackers, double stackers and order-picking trucks with operator position elevating up to and including 1 200 mm lift height, $68.00

MECHANICAL CONTRACEPTIVES (TC 157)

ISO 19671:2018, Additional lubricants for male natural rubber latex condoms - Effect on condom strength, $103.00

MECHANICAL VIBRATION AND SHOCK (TC 108)

ISO 16063-44:2018, Methods for the calibration of vibration and shock transducers - Part 44: Calibration of field vibration calibrators, $68.00

OPTICS AND OPTICAL INSTRUMENTS (TC 172)

ISO 11145:2018, Optics and photonics - Lasers and laser-related equipment - Vocabulary and symbols, $138.00

ISO 13694:2018, Optics and photonics - Lasers and laser-related equipment - Test methods for laser beam power (energy) density distribution, $103.00

PAINTS AND VARNISHES (TC 35)

ISO 8504-3:2018, Preparation of steel substrates before application of paints and related products - Surface preparation methods - Part 3: Hand- and power-tool cleaning, $45.00

PLASTICS (TC 61)

ISO 472/Amd1:2018, Plastics - Vocabulary - Amendment 1: Additional items, $19.00

ISO 11502:2018, Plastics - Film and sheeting - Determination of blocking resistance, $68.00

ISO 15527:2018, Plastics - Compression-moulded sheets of polyethylene (PE-UHMW, PE-HD) - Requirements and test methods, $68.00

RUBBER AND RUBBER PRODUCTS (TC 45)

ISO 11425:2018, Rubber hoses and hose assemblies for automobile power-steering systems - Specification, $68.00

SHIPS AND MARINE TECHNOLOGY (TC 8)

ISO 21157:2018, Ships and marine technology - Ball valves for use in low temperature applications - Design and testing requirements, $103.00

ISO 21159:2018, Ships and marine technology - Butterfly valves for use in low temperature applications - Design and testing requirements, $103.00

SURFACE CHEMICAL ANALYSIS (TC 201)

ISO 14701:2018, Surface chemical analysis - X-ray photoelectron spectroscopy - Measurement of silicon oxide thickness, $103.00

TEXTILES (TC 38)

ISO 10290:2018, Textiles - Cotton yarns - Basis for specification, $45.00

ISO 21046:2018, Silk - Test method for determining the size of silk yarns, $68.00

TRACTORS AND MACHINERY FOR AGRICULTURE AND FORESTRY (TC 23)

ISO 11783-3:2018, Tractors and machinery for agriculture and forestry - Serial control and communications data network - Part 3: Data link layer, $209.00

TRANSPORT INFORMATION AND CONTROL SYSTEMS (TC 204)

ISO 14906:2018, Electronic fee collection - Application interface definition for dedicated short-range communication, $232.00

ISO 24102-1:2018, Intelligent transport systems - ITS station management - Part 1: Local management, $185.00

ISO 24102-2:2018, Intelligent transport systems - ITS station management - Part 2: Remote management of ITS-SCUs, $185.00

ISO 24102-3:2018, Intelligent transport systems - ITS station management - Part 3: Service access points, $209.00

ISO 24102-4:2018, Intelligent transport systems - ITS station management - Part 4: Station-internal management communications, $185.00

WATER QUALITY (TC 147)

ISO 9697:2018, Water quality - Gross beta activity - Test method using thick source, $68.00

WATER RE-USE (TC 282)

ISO 20468-1:2018, Guidelines for performance evaluation of treatment technologies for water reuse systems - Part 1: General, $138.00

ISO Technical Reports

COMPRESSORS, PNEUMATIC TOOLS AND PNEUMATIC MACHINES (TC 118)

ISO/TR 20571:2018, Dynaload - Design and construction - Use and maintenance, $162.00

ROAD VEHICLES (TC 22)

ISO/TR 21974-1:2018, Naturalistic driving studies - Vocabulary - Part 1: Safety critical events, $45.00

ISO/IEC JTC 1, Information Technology

ISO/IEC 10118-3:2018, IT Security techniques - Hash-functions - Part 3: Dedicated hash-functions, $232.00

ISO/IEC 14776-263:2018, Information technology - Small computer system interface (SCSI) - Part 263: SAS protocol layer - 3 (SPL-3), $232.00

ISO/IEC/IEEE 24748-1:2018, Systems and software engineering - Life cycle management - Part 1: Guidelines for life cycle management, $209.00

IEC Standards

AUDIO, VIDEO AND MULTIMEDIA SYSTEMS AND EQUIPMENT (TC 100)

IEC 61937-11 Amd.1 Ed. 1.0 en:2018, Amendment 1 - Digital audio - Interface for non-linear PCM encoded audio bitstreams applying IEC 60958 - Part 11: MPEG-4 AAC and its extensions in LATM/LOAS, $12.00

IEC 61937-11 Ed. 1.1 en:2018, Digital audio - Interface for non-linear PCM encoded audio bitstreams applying IEC 60958 - Part 11: MPEG-4 AAC and its extensions in LATM/LOAS, $123.00

ELECTRICAL ACCESSORIES (TC 23)

IEC 61058-2-5 Ed. 3.0 b:2018, Switches for appliances - Part 2-5: Particular requirements for change-over selectors, $47.00

S+ IEC 61058-2-5 Ed. 3.0 en:2018 (Redline version), Switches for appliances - Part 2-5: Particular requirements for change-over selectors, $61.00

ELECTRICAL INSTALLATIONS OF BUILDINGS (TC 64)

IEC 60364-5-56 Ed. 3.0 en:2018, Low-voltage electrical installations - Part 5-56: Selection and erection of electrical equipment - Safety services, $199.00

S+ IEC 60364-5-56 Ed. 3.0 en:2018 (Redline version), Low-voltage electrical installations - Part 5-56: Selection and erection of electrical equipment - Safety services, $259.00

SAFETY OF HOUSEHOLD AND SIMILAR ELECTRICAL APPLIANCES (TC 61)

IEC 60335-2-15 Amd.2 Ed. 6.0 b:2018, Amendment 1 - Household and similar electrical appliances - Safety - Part 2-15: Particular requirements for appliances for heating liquids, $12.00

IEC 60335-2-15 Ed. 6.2 b:2018, Household and similar electrical appliances - Safety - Part 2-15: Particular requirements for appliances for heating liquids, $123.00

IEC Technical Specifications

AUDIO, VIDEO AND MULTIMEDIA SYSTEMS AND EQUIPMENT (TC 100)

IEC/TS 62312-2 Ed. 2.0 en:2018, Guideline for synchronization of audio and video - Part 2: Methods for synchronization of audio and video systems, $117.00

IEC/TS 62312-1-1 Ed. 2.0 en:2018, Guideline for synchronization of audio and video - Part 1-1: Measurement methods for synchronization of audio and video equipment and systems - General, $82.00

S+ IEC/TS 62312-2 Ed. 2.0 en:2018 (Redline version), Guideline for synchronization of audio and video - Part 2: Methods for synchronization of audio and video systems, $152.00

S+ IEC/TS 62312-1-1 Ed. 2.0 en:2018 (Redline version), Guideline for synchronization of audio and video - Part 1-1: Measurement methods for synchronization of audio and video equipment and systems - General, $107.00

Proposed Foreign Government Regulations

Call for Comment

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

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

To register for Notify U.S., please visit http://www.nist.gov/notifyus/.

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

For further information about the USA TBT Inquiry Point, please visit: https://www.nist.gov/standardsgov/what-we-do/trade-regulatory-programs/usa-wto-tbt-inquiry-point

Contact the USA TBT Inquiry Point at:(301) 975-2918; Fax: (301) 926-1559; E-mail: usatbtep@nist.gov or notifyus@nist.gov.

Information Concerning

American National Standards

Call for Members

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

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

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

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

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

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

Society of Cable Telecommunications

ANSI Accredited Standards Developer

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 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 a 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 Developers

Approval of Reaccreditation

ASC N15 – Methods of Nuclear Material Control

The reaccreditation of Accredited Standards Committee N15, Methods of Nuclear Material Control has been approved at the direction of ANSI's Executive Standards Council, under its recently revised operating procedures for documenting consensus on ASC N15-sponsored American National Standards, effective November 2, 2018. For additional information, please contact the Secretariat of ASC N15: Ms. Melanie May, Chair, INMM ASC N15, Institute of Nuclear Materials Management, U.S. Department of Energy, Office of Environment, Health, Safety and Security/Office of Security Assistance, HS-81/Germantown Building, 1000 Independence Avenue, SW, Washington, DC 20585-1290; phone: 301.903.1566; e-mail: melanie.may@hq.doe.gov.

International Association of Plumbing & Mechanical Officials (IAPMO – Z Committee Accreditation)

The reaccreditation of the International Association of Plumbing & Mechanical Officials (IAPMO – Z Committee Accreditation), an ANSI Member and Accredited Standards Developer, has been approved at the direction of ANSI's Executive Standards Council under the IAPMO PP-1: 2018: Policies and Procedures for Consensus Development of American National Standards, effective November 2, 2018. For additional information, please contact: Mr. Kyle Thompson, Standards Development Engineer, IAPMO, 5001 East Philadelphia Street, Ontario, CA 91761-2816; phone: 909.230.5534; e-mail: kyle.thompson@iapmostandards.org.

U.S. Technical Advisory Groups

Approval of TAG Accreditation

U.S. TAG to ISO PC 317 – Consumer Protection: Privacy by Design for Consumer Goods and Services

ANSI's Executive Standards Council (ExSC) has formally approved the accreditation of the U.S. Technical Advisory Group to ISO PC 317, Consumer protection: Privacy by design for consumer goods and services under its proposed TAG operating procedures and with ANSI (with funding support from OASIS) serving as TAG Administrator, effective November 2, 2018. For additional information, please contact: Ms. Rachel Hawthorne, Senior Manager of ISO Outreach and Enhanced Services, ANSI, 25 West 43rd Street, 4th Floor, New York, NY 10036; phone: 212.642.4938; e-mail: rhawthorne@ansi.org.

Information Concerning

International Organization for Standardization (ISO)

Call for U.S. Participants

ISO Strategic Advisory Group – *Accessibility*

Response Deadline: November 9, 2018

Please be advised that the ISO Technical Management Board (ISO/TMB) has agreed to create a new ISO Strategic Advisory Group (SAG) on Accessibility for an initial period of 2 years with the following mandate:

- Align work on accessibility issues within IEC, ITU and ISO in line with the recommendations from 2010, to address, decide and monitor key issues related to accessibility;
- Map existing ISO standards related to accessibility;
- Map ongoing standardization work in ISO, IEC and ITU relating to accessibility;
- Take into account other relevant international initiatives;
- Develop recommendations on tools to assist the TC community in developing standards that take accessibility into consideration;
- Liaise with CEN and CLC to exchange best practices and study results from CEN Strategic advisory group on accessibility;
- Give recommendations to ISO on the development of new standards on accessibility.

ANSI is seeking two (2) U.S. experts to serve on the SAG as well as additional U.S expert to populate a U.S. Virtual Technical Advisory Group (VTAG). It is anticipated that this project will start in December 2018 or January 2019.

Experts interested in participating should contact ANSI's Arpana Patel by email at apatel@ansi.org by November 9.

Information Concerning

International Organization for Standardization (ISO)

Call for U.S. TAG Administrator
TC 123 – Plain Bearings

There is currently no ANSI-accredited U.S. TAG Administrator for TC 123, TC 123/SC 2, TC 123/SC 3, TC 123/SC 5, TC 123/SC 6, TC 123/SC 7, and TC 123/SC 8, and therefore ANSI is not a member of these committees. The Secretariats for these committees are currently held by Japan (JISC) for TC 123, TC 123/SC 6, TC 123/SC 7, and TC 123/SC 8; and Germany (DIN) for TC 123/SC 2, TC123/SC 3, and TC 123/SC 5.

TC 123 operates under the following scope:

Standardization of plain bearings on the following items :

- *classification, definitions and terminology;*
- *materials and characteristics;*
- *dimensions and tolerances;*
- *methods of tests and quality control, including methods of calculation.*

TC 123/SC 2 operates under the following scope:

Materials and lubricants, their properties, characteristics, test methods and testing conditions

TC 123/SC 3 operates under the following scope:

Dimensions, tolerances and construction details

TC 123/SC 5 operates under the following scope:

Quality analysis and assurance

TC 123/SC 6 operates under the following scope:

Terms and common items

TC 123/SC 7 operates under the following scope:

Special types of plain bearings

TC 123/SC 8 operates under the following scope:

Standardization of calculation methods and their applications for plain bearings including theories of hydrodynamic, thermo-hydrodynamic, elasto-hydrodynamic, and thermo-elasto-hydrodynamic lubrication, as well as theories of boundary lubrication and dry friction.

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

Information Concerning

International Organization for Standardization (ISO)

Call for International (ISO) Secretariat

ISO/TC 86/SC 6 – *Testing and Rating of Air-Conditioners and Heat Pumps*

Reply Deadline: December 2, 2018

Currently, the U.S. holds a leadership position as Secretariat of ISO/TC 86/SC 6 – *Testing and rating of air-conditioners and heat pumps*. ANSI has delegated the responsibility for the administration of the Secretariat for ISO/TC 86/SC 6 to the Air-Conditioning, Heating and Refrigeration Institute (AHRI). AHRI has advised ANSI of its intent to relinquish its role as delegated Secretariat for this committee.

ISO/TC 86/SC 6 operates under the following scope:

> *Development of standards regarding the testing and rating of air-conditioners and heat pumps within the scope of ISO/TC 86:*
>
> *Standardization in the fields of refrigeration and air-conditioning, including terminology, mechanical safety, methods of testing and rating equipment, measurement of sound levels, refrigerant and refrigeration lubricant chemistry, with consideration given to environmental protection. The scope includes factory-assembled air-conditioners (cooling), heat pumps, dehumidifiers, refrigerants, and refrigerant reclaiming and recycling equipment as well as other devices, components and equipment such as humidifiers, ventilation equipment and automatic controls used in air-conditioning and refrigeration systems that are not covered by other ISO technical committees.*

ANSI is seeking organizations in the U.S. that may be interested in assuming the role of delegated Secretariat for ISO/TC 86/SC 6. Alternatively, ANSI may be assigned the responsibility for administering an ISO Secretariat. Any request that ANSI accept the direct administration of an ISO Secretariat shall demonstrate that:

1. The affected interests have made a financial commitment for not less than three years covering all defined costs incurred by ANSI associated with holding the Secretariat;
2. the affected technical sector, organizations or companies desiring that the U.S. hold the Secretariat request that ANSI perform this function;
3. the relevant U.S. TAG has been consulted with regard to ANSI's potential role as Secretariat; and
4. ANSI is able to fulfill the requirements of a Secretariat.

If no U.S. organization steps forward to assume the ISO/TC 86/SC 6 Secretariat, or if there is insufficient support for ANSI to assume direct administration of this activity by December 2, 2018, then ANSI will inform the ISO Central Secretariat that the U.S. will relinquish its leadership of the committee. This will allow ISO to solicit offers from other countries interested in assuming the Secretariat role.

Information concerning the United States retaining the role of international Secretariat may be obtained by contacting ANSI's ISO Team (isot@ansi.org).

BSR/UL 79A, Standard for Safety for Power-Operated Pumps for Gasoline and Gasoline/Ethanol Blends with Nominal Ethanol Concentrations up to 85 Percent (E0 - E85)

1. Revisions to add CE40a test fluid requirements

PROPOSAL

1.7 Products intended to be rated for use with gasoline or gasoline/ethanol blends with nominal ethanol concentrations:

a) Up to 25 percent (E0 - E25) shall be evaluated using the CE25a test fluid as the only applicable test fluid;

b) Up to 40 percent (E0 - E40) shall be evaluated using both the CE25a and CE40a test fluid, or;

c) Up to 85 percent shall be evaluated using both the CE25a and the CE85a test fluids.

5.1.1.1 A metallic part, in contact with the fuels anticipated by these requirements, shall be resistant to the action of the fuel if degradation of the material will result in leakage of the fuel or if it will impair the function of the device. For all fuel ratings, see Corrosion due to fluid, 5.1.2.1. For products rated for gasoline/ethanol blends with nominal ethanol concentrations greater than ~~25~~ 40 percent, see Metallic materials - system level, 5.1.3.

5.1.3.1 Combinations of metallic materials in products rated for use with gasoline/ethanol blends with nominal ethanol concentrations greater than ~~25~~ 40 percent shall be chosen to reduce degradation due to galvanic corrosion in accordance with 5.1.3.2 – 5.1.3.4.

40.2 All tests shall be performed using the test fluids specified for that test. No substitution of test fluids is allowed. When the test indicates that CE25a, CE40a or CE85a are to be used, the test fluid shall be prepared as described in Supplement SA.

41.1.1 The test outlined in 41.2 – 41.4 is to be performed on one or two samples of the device. If the product is rated for use with gasoline or a gasoline/ethanol blend with a nominal ethanol concentration of up to 25 percent (E0 - E25), then the test shall be performed using the CE25a test fluid. If the product is rated for use with gasoline or a gasoline/ethanol blends with a nominal ethanol concentration of up to 40 percent (E0 - E40), then the test shall be performed using both the CE25a and CE40a test fluids. If the product is rated for use with a gasoline/ethanol blend with a nominal ethanol concentration ~~above 25~~ of up to 85 percent, then the test shall be performed using both the CE25a and CE85a test fluids. See Supplement SA for the test fluids.

52.2 For products rated for gasoline or gasoline/ethanol blends with a nominal ethanol concentration of up to 25 percent (E0 - E25), the test shall be performed on one set of samples using the CE25a test fluid. If the product is rated for use with gasoline or a gasoline/ethanol blends with a nominal ethanol concentration of up to 40 percent (E0 - E40), then the test shall be performed using both the CE25a and CE40a test fluids. If the product is rated for gasoline/ethanol blends with a nominal ethanol concentration above 25 percent, then the test shall be performed on two sets of samples using both the CE25a and CE85a test fluids. See Supplement SA for the test fluids. Each set of samples shall be immersed (completely submerged) in vessels containing the applicable test fluids for 168 hours at 23 ±2°C (73.4 ±3.6°F).

53.2 For products rated for gasoline or gasoline/ethanol blends with a nominal ethanol concentration of up to 25 percent (E0 - E25), the test shall be performed on one set of samples using the CE25a test fluid. If the product is rated for use with gasoline or a gasoline/ethanol blends with a nominal ethanol concentration of up to 40 percent (E0 - E40), then the test shall be performed using both the CE25a and CE40a test fluids. If the product is rated for gasoline/ethanol blends with a nominal ethanol concentration above 25 percent, then the test shall be performed on two sets of samples using both the CE25a and CE85a test fluids. See Supplement SA for the test fluids. Each set of samples shall be immersed (completely submerged) in vessels containing the applicable test fluids for 168 hours at 23 ±2°C (73.4 ±3.6°F).

56.4 For products rated for gasoline or gasoline/ethanol blends with a nominal ethanol concentration of up to 25 percent (E0 - E25), the test shall be performed on one set of samples using the CE25a test fluid. If the product is rated for use with gasoline or a gasoline/ethanol blends with a nominal ethanol concentration of up to 40 percent (E0 - E40), then the test shall be performed using both the CE25a and CE40a test fluids. For products rated for gasoline/ethanol blends with ethanol concentrations above 25 percent, the test shall be performed on two sets of samples, with one set exposed to the CE25a test fluid and the second set exposed to the CE85a test fluid. See Supplement SA for the test fluids. The specimens are to be exposed for 168 hours (7 days) to saturated vapors of the applicable test fluids as separate tests.

75.1 Each pump shall be marked with the following:

a) The manufacturer's name, trade name, trademark or other descriptive markings by which the organization responsible for the product is capable of being identified.

b) A distinctive catalog number or the equivalent to specifically identify the pump.

c) For electrically powered pumps, the electrical rating, as normally appearing on each motor for Class I, Group D hazardous locations, on the nameplate of submersible-type pumps.

d) For pneumatic powered pumps, the maximum air pressure.

e) For pumps for use with or in dispensing systems and vapor recovery pumps, the maximum outlet pressure.

f) For hydraulic powered pumps, the maximum inlet pressure.

g) The date or other dating period of manufacturer not exceeding any three consecutive months and not repeating in less than 20 years.

Exception: The date of manufacturer may be abbreviated or appearing in an established or otherwise acceptable code.

h) For pumps without motors, the direction of rotation and maximum revolutions per minute (rpm) that the pump can be operated.

i) Pumps shall be marked to indicate the fuel rating for which they are intended. The marking shall be "Gasoline" for pumps rated for gasoline only, shall be "E25" for pumps rated for gasoline and gasoline/ethanol blends with nominal ethanol concentrations up to 25 percent ethanol (E0 - E25), "E40" for pumps rated for gasoline and gasoline/ethanol blends with nominal ethanol concentrations up to 40 percent ethanol (E0 - E40) or "E85"

for pumps rated for gasoline and gasoline/ethanol blends with nominal ethanol concentrations up to 85 percent ethanol (E0 - E85). This marking shall be prominently displayed to identify the pump.

75.4 When a pump assembly has provision for storing a hose-nozzle valve, it shall be marked with the following information:

a) For E85 rated pumps, the wording "Use only the following:" and the brand names and specific model designations of permitted combinations of hose assemblies, breakaway couplings, swivel connectors, and hose nozzle valves to be used.

b) For E25 rated pumps, the wording "Use only E25 rated hanging hardware," or the equivalent.

c) For E40 rated pumps, the wording "Use only E40 rated hanging hardware," or the equivalent.

~~c~~ d) For gasoline rated pumps, the wording “Use only appropriately rated hanging hardware,” or the equivalent.

Marking shall be located where it will be seen by the responsible personnel when performing the intended assembly.

SA.1 Details

There are ~~two~~ three test fluids that are applicable for tests in this standard. The fluids are designated by a format that fits the form of CEXXa; where “C” indicates ASTM Reference Fuel C (50% Isooctane, 50% Toluene); “E” indicates synthetic ethanol (designated CDA20); “XX” indicates percentage amount of the ethanol that is added to the solution; and “a” indicates aggressive elements that are added to the synthetic ethanol. The aggressive elements are used to represent contaminants that can be found in actual use and are used to help represent the worst case test fluid. The aggressive elements are mixed in accordance with the Recommended Practice for Gasoline, Alcohol, and Diesel Fuel Surrogates for Material Testing, SAE J1681.

The aggressive elements include deionized water, sodium chloride, sulfuric acid, and glacial acetic acid. Table SA.1 outlines the amounts of each of these elements in one liter of aggressive ethanol.

Table SA.1

Aggressive ethanol test fluid

Component	Units	1 Liter of CE85a	1 Liter of CE40a	1 Liter of CE25a
ASTM Reference Fuel C	Liter	0.150	0.600	0.750
Synthetic Ethanol	Liter	0.843	0.397	0.248
Deionized Water	Liter	0.007	0.003	0.002
Sodium Chloride	Gram	0.003	0.002	0.001
Sulfuric Acid	Milliliter	0.010	0.005	0.003
Glacial Acetic Acid	Milliliter	0.050	0.020	0.010

CE25a consists of a 75% ASTM Reference Fuel C and 25% aggressive ethanol mixture. CE40a consists of a 60% ASTM Reference Fuel C and 40% aggressive ethanol mixture. CE85a consists of a 15% ASTM Reference Fuel C and 85% aggressive ethanol mixture. These two fluids may be used to condition samples as noted in each specific test that indicates that these fluids are to be used. The test fluids are to be prepared just prior to use to minimize effects on the test fluid. The aggressive ethanol is corrosive and changes can occur to the solution from interactions with the storage and transfer containers. Exposure to air and or moisture may also effect the test fluid.

Products intended to be rated for use with gasoline or gasoline/ethanol blends with nominal ethanol concentrations up to 25 percent (E0 - E25) shall be evaluated using the CE25a test fluid as the only applicable test fluid. If the product is rated for use with gasoline or a gasoline/ethanol blends with a nominal ethanol concentration of up to 40 percent (E0 - E40), then the test shall be performed using the CE40a test fluid. Products intended to be rated at gasoline/ethanol blends with nominal ethanol concentration greater than 25 percent shall be evaluated using both the CE25a test fluid and the CE85a test fluid.

For products evaluated using the CE25a test fluid, one sample is required to be conditioned in accordance with the test sequence in Section 28. For products evaluated using the CE40a test fluid, one sample is required to be conditioned in accordance with the test sequence in Section 28. For products using ~~both~~ CE25a and CE85a or CE40a and CE85a test fluids, two samples are required to be conditioned, one in each fluid, in accordance with the Long Term Exposure Test, Section 41.

BSR/UL 498, Standard for Safety for Attachment Plugs and Receptacles

1. Proposal to revise the maximum withdrawal force test

111.4 The standard gauge is to be configured as shown in Table 111.3 using the line blades with holes in the end and with the grounding blade in place. The test is to be conducted using the apparatus as described in Figure 111.1A. The gauge is attached to the apparatus as shown. The apparatus consists of a principal mass, and a supplementary mass. The supplementary mass is 1.5 lbs (6.7 N). The principal mass, together with the supplementary mass, the Gage and any hardware equals 15 lbs (67 N) total. The gage is inserted fully into the device. The principal mass and associated hardware is hung on the gage without jolting. The gage shall not remain in the receptacle. If the gage does not withdraw the supplementary mass is raised and allowed to fall from a height of 2 in (51 mm) onto the principal mass one time. The gage shall not remain in the receptacle. A test apparatus that does not incorporate a supplementary mass and equals the 15 lbs (67 N) total is permitted if agreeable to all parties.

BSR/UL 962, Standard for Safety for Household and Commercial Furnishings

1. Revise the horizontal surface loading requirements in Table 36.1 by adding a new reference specifically for height adjustable tables

Table 36.1

Horizontal surface loading requirements

Surface type	Surface size	Functional load	Proof load
Secondary Surface Note (1)	Unit depth < 8 in.	1.5 lbs/in. of width or as specified in (a)	3.0 lbs* width (in.) or as specified in (b)
Secondary Surface Note (1)	Unit depth ≥ 8 in ≤ 16 in.	2.5 lbs/in. of width or as specified in (a)	5.0 lbs* width (in.) or as specified in (b)
Secondary Surface Note (1)	Unit depth > 16 in.	3.5 lbs/in. of width or as specified in (a)	7.0 lbs* width (in.) or as specified in (b)
Secondary Surface Note (1)	All Sizes	(a) - Load (lbs) as specified in the user instructions	(b) - 4x load (lbs) as specified in the user instructions
Work Surface Note (1)	Unit width	4.7 lbs/in. of width or 200 lbs whichever is greater or as specified in (c). For height adjustable desks load as specified in the user instructions.	7 lbs/in. of width or 300 lbs or for height adjustable desks 1.5x load as specified in the user instructions, whichever is greater; or as specified in (d)
Work Surface Note (1)	Unit width	(c) Load (lbs) as specified in the user instructions	(d) 4x load (lbs) as specified in the user instructions
Clothes and Towel Rods	All lengths	1.5 lbs/in. per length	1.5 lbs/in. per length
Clothes and Towel Hooks	All sizes	2.5 lbs/in. each hook	2.5 lbs/in. each hook
Television Support Surfaces	All sizes	Load (lbs) as specified in the user instructions	Refer to Note: (4)
Bed Note: (2)	Number of intended persons	300 lbs per person	500 lbs per person
Furnishings with seating surfaces Note: (3)	Number of intended persons	300 lbs per person	450 lbs per person
Note (1):	A furnishing that has a circular or irregular shaped surface if determined to be less stable in a partially loaded condition shall be loaded along 1/3 the perimeter edge.		
Note (2):	Refer to 36.2.1.		
Note (3):	Refer to 36.2.3.		
Note (4):	i) Four times (4X) the load when the supporting surface is rated 100 pounds (45.36 kG) or less, or		
	ii) Two times plus 200 pounds (2x + 200 lbs) (2x + 90.72 kG) when the rated load is greater than 100 pounds. A specified load greater than 100 pounds shall be not less than 105 pounds (47.6 kG).		

BSR/UL 1206, Standard for Electric Commercial Clothes-Washing Equipment

1. Direct Current (DC) Electric Strength Test Potentials

PROPOSAL

35.1 An appliance shall withstand for 1 min without breakdown the application of a DC potential or a 60-Hz essentially sinusoidal potential between live parts and dead metal parts or between live parts of opposite polarity for a test on a capacitor as mentioned in (c). The test potential shall be:

a) 1,000 V AC or 1400 V DC for an appliance employing a motor rated 1/2 horsepower (373 W) or less and 250 V or less. See 23.8.

b) 1,000 V AC plus twice rated voltage or 1400 V DC plus 2.8 times rated voltage for an appliance employing a motor rated more than 1/2 horsepower or more than 250 V. See 23.8.

c) 1,000 V AC, or 1,000 V AC plus twice the rated voltage – depending upon the value of the test potential applied to the appliance as a whole – for a radio-frequency-interference-elimination or arc-suppression capacitor.

47.1 Each appliance shall withstand without electrical breakdown, as a routine production-line test, the application of a DC potential or an AC potential at a frequency within the range of 40 – 70 Hz, between the primary wiring, including connected components, and accessible dead metal parts that are likely to become energized, and between primary wiring and accessible low-voltage – 42.4 V peak or less – metal parts, including terminals.

Table 47.1

Production-line test conditions

Appliance rating, V	Condition A			Condition B		
	Potential, V		Time, s	Potential, V		Time, s
	AC	DC		AC	DC	
≤ 250	1000	1400	60	1200	1700	1
> 250 ≤ 600	1000 + 2V[a]	1400 + 2.8V[a]	60	1200 + 2.4V[a]	1700 + 3.4V[a]	1
[a] V = maximum marked voltage but not less than 240 V.						

47.6 The test equipment shall include a transformer having a DC or an AC essentially sinusoidal output, a means of indicating the test potential, an audible or visual indicator

of electrical breakdown, and either a manually reset device to restore the equipment after electrical breakdown or an automatic reject feature of any unacceptable unit.

2. Motor Controls for Commercial Appliances

PROPOSAL

20A.2 Operating controls

20A.2.1 An operating control shall comply with:

a) Evaluation of Electronic Circuits, Supplement SA; or

b) The applicable requirements in the Standard for Automatic Electrical Controls - Part 1: General Requirements, UL 60730-1 and the relevant Part 2.

20A.2.2 The cycle selection control, water level detection, out of balance detection, temperature-regulating devices and any control not relied upon to provide a required safety function are considered and to be tested and evaluated as operating.

20A.2.3 The minimum test parameters for the evaluation of an operating control to the Standard for Automatic Electrical Controls - Part 1: General Requirements, UL 60730-1 and any applicable Part 2 are specified in Table 20A.1.

20A.2.4 As an alternative to the requirements in Clause 20A.2.1, power conversion equipment intended to control a variable speed motor load (e.g. a variable frequency drive) can comply with UL 508C. See Section 17 for the motor-overload protection requirements.

BSR/UL 1240, Standard for Electric Commercial Clothes-Drying Equipment

1. Motor Controls for Commercial Appliances

PROPOSAL

20A.2 Operating controls

20A.2.1 An operating control shall comply with:

a) Evaluation of Electronic Circuits, Supplement SA; or

b) The applicable requirements in the Standard for Automatic Electrical Controls - Part 1: General Requirements, UL 60730-1 and the relevant Part 2.

20A.2.2 The cycle selection control, water level detection, out of balance detection, temperature-regulating devices and any control not relied upon to provide a required safety function are considered and to be tested and evaluated as operating.

20A.2.3 The minimum test parameters for the evaluation of an operating control to the Standard for Automatic Electrical Controls - Part 1: General Requirements, UL 60730-1 and any applicable Part 2 are specified in Table 20A.1.

20A.2.4 As an alternative to the requirements in Clause 20A.2.1, power conversion equipment intended to control a variable speed motor load (e.g. a variable frequency drive) can comply with UL 508C. See Section 17 for the motor-overload protection requirements.

BSR/UL 1650, Standard for Safety for Portable Power Cable

PROPOSAL

Addition of Missing Reference, Revised 6.1.1

6.1 General

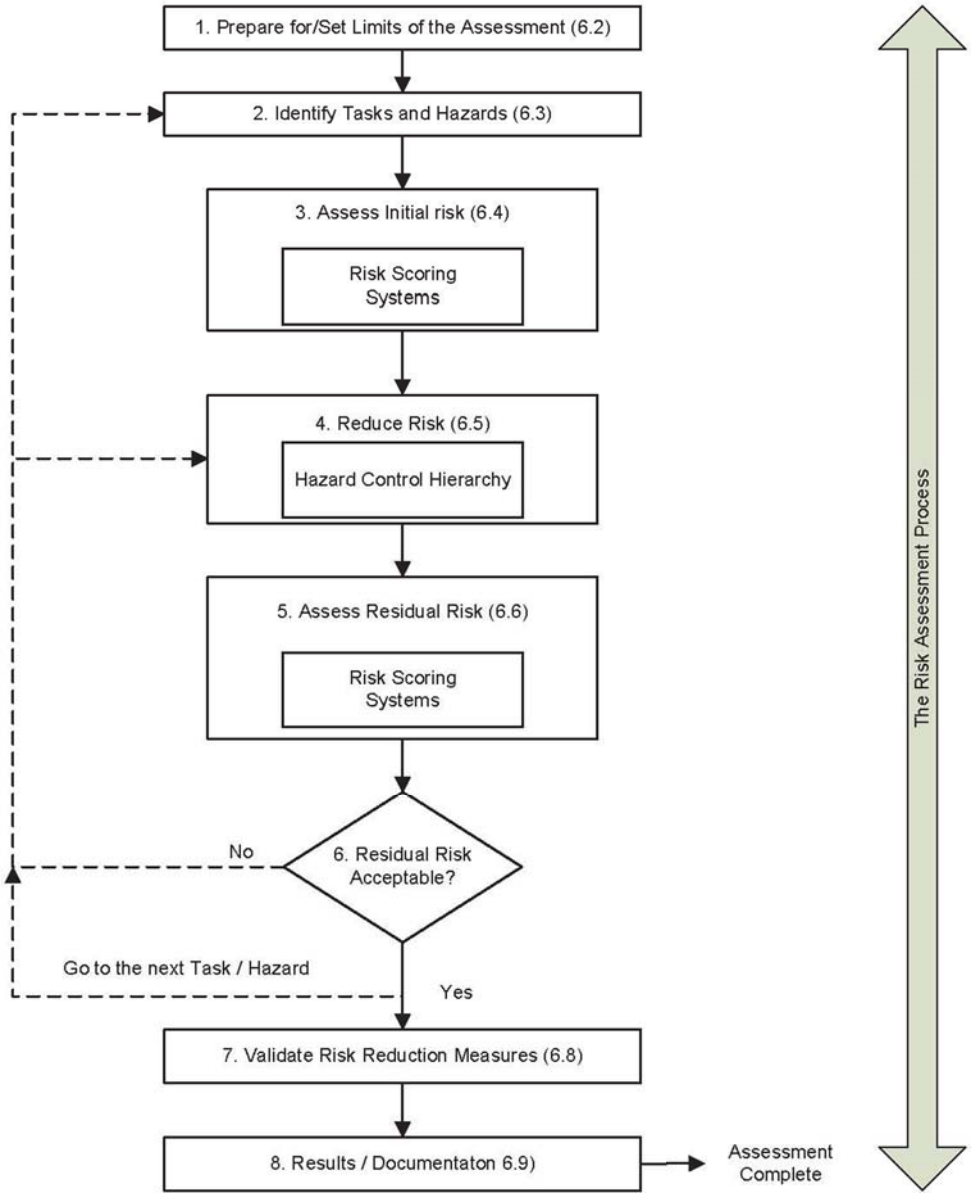
6.1.1 The circuit conductors shall be annealed, stranded copper, bare, or tin-coated according to the Standard for Thermoset-Insulated Wires and Cables, UL 44, in sizes 12 AWG to 1000 kcmil.

BSR/UL 2353, Standard for Safety for Single- and Multi-Layer Insulated Winding Wire

1. Revision to add the Standard for Adjustable Speed Electrical Power Drive Systems - Part 5-1 Safety Requirements - Electrical, Thermal and Energy, UL 61800-5-1 requirements

8.1 For all constructions, five straight lengths of any wire 305-mm (12-in) long are to be subjected to an electric strength test in accordance with the requirements for electric strength as specified in the Standard for Information Technology Equipment - Safety - Part 1: General Requirements, UL 60950-1, the Standard for Medical Electrical Equipment, Part 1: General Requirements for Safety, UL 60601-1 , or the Standard for Adjustable Speed Electrical Power Drive Systems - Part 5-1 Safety Requirements - Electrical, Thermal and Energy, UL 61800-5-1. The test voltage is to be in accordance with the applicable test voltages for electric strength tests in the Test Voltages for Electric Strength Tests Based on Peak Working Voltages (Part 1 and Part 2) Tables of UL 60950-1, ~~and~~ the Test Voltages Table of UL 60601-1, ~~and~~ or the Standard for Adjustable Speed Electrical Power Drive Systems - Part 5-1 Safety Requirements - Electrical, Thermal and Energy, UL 61800-5-1, Table 5.2.3.2.2DV.1 for basic and supplementary insulation and Table 21, Column 3 for reinforced insulation unless otherwise indicated below. The voltage is to be applied between the conductor and foil wrapped in direct contact with the center 150 mm (6 in) of the sample.

7. Validate risk reduction measures (see 6.8)
8. Document the results (see 6.9)



Informative Note 3: *For more detailed information on the risk assessment process for machines with hygienic considerations, see the process flow chart in Annex A.*

Figure 4 - The Risk Assessment Process

6.2 Prepare for/set limits of the assessment

Suppliers and users either jointly or separately shall adequately prepare for, set limits on and document the parameters of the assessment, and establish the level(s) of acceptable risk.

There are no strict requirements on preparations or setting limits. Annex D provides guidance on preparations and setting limits.

6.3 Identify hazards

The reasonably foreseeable hazards shall be identified for the applicable phases of the life cycle of the machinery. See Annex C for a list of hazards potentially applicable to machinery.

Identifying hazards is a critically important part of the risk assessment process because hazards not identified can result in unacceptable risks.

Informative Note 1: *There are many different approaches to identifying hazards. Depending on the complexity of the machinery, some or all of the following may be useful:*

- *use intuitive operational and engineering judgment;*
- *examine system specifications and expectations;*
- *review codes, regulations, and consensus standards;*
- *interview current or intended system users or operators;*
- *consult checklists;*
- *review studies from other similar systems;*
- *consider the potential for unwanted energy releases and exposures to hazardous environments;*
- *review historical data – industry experience, incident investigation reports, OSHA and National Safety Council data, manufacturer's literature;*
- *brainstorm.*

Informative Note 2: *The risk assessment process includes identifying hazards regardless of the existence of risk reduction measures. The machine should not be considered harmless as shipped and guarded. To assure that all hazards are included, hazard identification should be conducted with all safeguards conceptually removed. This is to assure that hazards are not ignored due to an assumption that the safeguard supplied is adequate for all tasks, including reasonably foreseeable misuse. Existing safeguards that help meet the risk reduction objectives can be retained after evaluating their performance. This decision will be confirmed during the validation/verification portion of the risk assessment process (see clause 6.8). If a thorough risk assessment is delivered with the machine it may be used as a starting point for the user's risk assessment.*

Identifying hazards shall take into account the different operating modes and intervention procedures, in particular when the machinery does not perform the intended function (i.e. it malfunctions) due to a variety of reasons, such as:

- variation of a property or of a dimension of the processed material or of the product;
- failure of one (or more) of its component parts or services;
- external disturbances (e.g., shocks, vibration, electromagnetic interference);
- interruption of its power source.

Sub clauses 6.3.1 and 6.3.2 present methods that can be used separately or in combination to identify hazards. Regardless of the method used, the purpose is to ensure that reasonably foreseeable hazards are identified.

6.3.1 Hazard-based

A hazard-based approach identifies the hazards associated with the machinery, its functions, and its immediate surroundings. A hazard-based approach identifies hazards such as mechanical hazards, energy sources, unexpected start, slip and fall, hot surfaces, operational hazards, contamination, etc.

6.3.2 Task-based

A task-based approach identifies the affected persons, the tasks they perform, and the hazards associated with those tasks (see 6.3.2.1 – 6.3.2.2). This method focuses on how people interact with the machine to identify how they could be harmed.

6.3.2.1 Identify affected persons

In a task-based approach, persons who interact with the machinery shall be identified.

Informative Note 1: *These may include but are not limited to:*

- *cleaning crew;*
- *contract/service personnel;*
- *technical personnel;*
- *installation and removal personnel;*
- *supervisor;*
- *maintenance personnel;*
- *materials handler;*
- *operator;*
- *passer-by/non-user;*
- *set-up person*

Informative Note 2: *The anticipated level of training, experience, skill of the persons, and their capacity to be aware of risks in a given situation may need to be considered (e.g., a novice operator may perform tasks differently than an experienced person).*

6.3.2.2 Identify tasks

In a task-based approach, tasks associated with the intended use and reasonably foreseeable misuse of the machinery shall ~~should~~ be identified. This includes the incentive to defeat or circumvent risk reduction measures.

Informative Note 1: *Examples of task categories may include but are not limited to:*

- *packing and transportation;*
- *unloading/unpacking;*
- *systems installation and assembly;*
- *start up/commissioning;*
- *set up/changeover;*
- *operation (all modes);*
- *maintenance/repair;*
- *recovery from jams;*
- *troubleshooting;*
- *assembly/disassembly;*
- *cleaning/sanitizing;*
- *decommissioning, dismantling, and disposal.*

Identifying tasks shall include modes of operation and work methods during which it is necessary to suspend or modify one or more risk reduction measures.

Hazards associated with the tasks shall be identified. Reasonably foreseeable hazards that are not related to tasks shall also be identified.

Informative Note 2: *Examples include but are not limited to:*

- *an explosive environment*
- *noise,*
- *instability,*
- *equipment failures or operational errors such as using an inappropriately sized workpiece,*
- *mechanical failure of a chuck, operating at incorrect speed, etc.*

Some hazards may impose risk beyond a simple contact point; for instance, gaseous exposure, electrical discharge, explosion or fire.

6.3.3 Similar machines

Information from risk assessments on similar machines may be used as a starting point when tasks and hazards are comparable. Using this information does not eliminate the need to follow the risk assessment process as described in this standard for the specific conditions of use (e.g., when a shear used for cutting plastic is compared with a shear used for cutting metal, the risks associated with the different material should be assessed).

6.4 Assess initial risk

The risks associated with each hazard shall be assessed. The elements of risk are shown in Figure 6. Additional information appears in Annexes B and D.

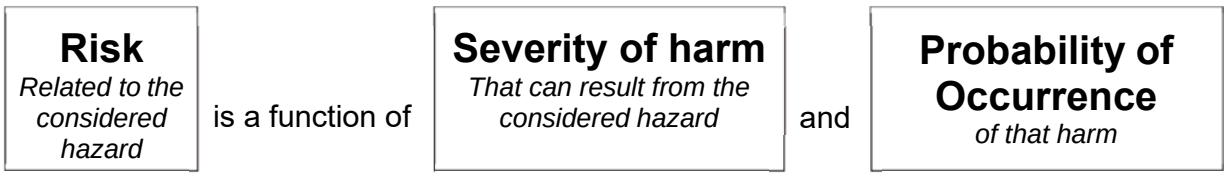


Figure 6 - Elements of risk

There are three sub-steps involved in assessing risk:

- Select a risk scoring system (6.4.1);
- Assess risk using the risk factors of the risk scoring system (6.4.2);