ANSI STANDARDS ACTION

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Contents

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: May 29, 2016

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

New Standard

BSR/ASHRAE Standard 90.4P-201x, Energy Standard for Data Centers (new standard)

The purpose of this standard is to establish minimum efficiency requirements of data centers. The significant changes include corrected equations in Section 6, addition of Climate Zones 0A/0B, addition of verification of equipment efficiences, and corrections to Section 11.

Click here to view these changes in full

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

NSF (NSF International)

Revision

BSR/NSF 49-201x (i77r2), Biosafety Cabinetry: Design, Construction, Performance, and Field Certification (revision of ANSI/NSF 49-2014)

This Standard applies to Class II (laminar flow) biosafety cabinetry designed to minimize hazards inherent in work with agents assigned to biosafety levels 1, 2, 3, or 4. It also defines the tests that shall be passed by such cabinetry to meet this Standard. This Standard includes basic requirements for the design, construction, and performance of biosafety cabinets that are intended to provide personnel, product, and environmental protection; reliable operation; durability and structural stability; cleanability; limitations on noise level; illumination; vibration; and motor/blower performance.

Click here to view these changes in full

Send comments (with copy to psa@ansi.org) to: Allan Rose, (734) 827 -3817, arose@nsf.org

NSF (NSF International)

Revision

BSR/NSF 50-201x (i112), Equipment for Swimming Pools, Spas, Hot Tubs and Other Recreational Water Facilities (revision of ANSI/NSF 50-2015)

This Standard covers materials, components, products, equipment and systems, related to public and residential recreational water facility operation.

Click here to view these changes in full

Send comments (with copy to psa@ansi.org) to: Lauren Panoff, (734) 769 -5197, lpanoff@nsf.org

NSF (NSF International)

Revision

BSR/NSF 50-201x (i102r2), Equipment for Swimming Pools, Spas, Hot Tubs and Other Recreational Water Facilities (revision of ANSI/NSF 50-2015)

This Standard covers materials, components, products, equipment and systems, related to public and residential recreational water facility operation.

Click here to view these changes in full

Send comments (with copy to psa@ansi.org) to: Lauren Panoff, (734) 769 -5197, lpanoff@nsf.org

NSF (NSF International)

Revision

BSR/NSF 305-201x (i28r1), Personal Care Products Containing Organic Ingredients (revision of ANSI/NSF 305-2014)

This Standard specifies materials, processes, production criteria, and conditions that shall be met in order for personal care products to make organic label and marketing claims under this Standard. This Standard intends to address products with a minimum organic content of 70% (O70).

Click here to view these changes in full

Send comments (with copy to psa@ansi.org) to: Allan Rose, (734) 827 -3817, arose@nsf.org

TIA (Telecommunications Industry Association)

Addenda

BSR/TIA 568-C.2-1-201x, Balanced Twisted-Pair Telecommunications Cabling and Components Standard, Addendum 1: Specifications for 100 Next Generation Cabling (addenda to ANSI/TIA 568-C.2-2009)

Develop a new category of cabling to support future applications beyond 10GBASE-T.

Click here to view these changes in full

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

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 1703-201x, Standard for Flat-Plate Photovoltaic Modules and Panels (revision of ANSI/UL 1703-2015b)

(1) Revision to expand the definition of Type 3 module in Section 16, Fire Performance.

Click here to view these changes in full

Send comments (with copy to psa@ansi.org) to: Susan Malohn, (847) 664 -1725, Susan.P.Malohn@ul.com

Comment Deadline: June 13, 2016

AIAA (American Institute of Aeronautics and Astronautics)

Reaffirmation

BSR/AIAA S-119-2011 (R201x), Flight Dynamics Model Exchange Standard (reaffirmation of ANSI/AIAA S-119-2011)

Establishes definitions of the information and format used to exchange air vehicle simulations and validation data between disparate simulation facilities.

Single copy price: $119.95

Obtain an electronic copy from: hillaryw@aiaa.org

Order from: Hillary Woehrle, (703) 264-7546, hillaryw@aiaa.org

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

AIAA (American Institute of Aeronautics and Astronautics)

Reaffirmation

BSR/AIAA S-131-2011 (R201x), Astrodynamics - Propagation Specifications, Technical Definitions, and Recommended Practices (reaffirmation of ANSI/AIAA S-131-2011)

Provides the broad astrodynamics and space operations community with technical standards and lays out recommended approaches to ensure compatibility between organizations. Applicable existing standards and accepted documents are leveraged to make a complete - yet coherent - document. These standards are intended to be used as guidance and recommended practices for astrodynamics applications in Earth orbit where interoperability and consistency of results is a priority.

Single copy price: $109.95

Obtain an electronic copy from: hillaryw@aiaa.org

Order from: Hillary Woehrle, (703) 264-7546, hillaryw@aiaa.org

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

ANS (American Nuclear Society)

Reaffirmation

BSR/ANS 8.14-2004 (R201x), Use of Soluble Neutron Absorbers in Nuclear Facilities Outside Reactors (reaffirmation of ANSI/ANS 8.14-2004 (R2011))

The Standard provides guidance for the use of soluble neutron absorbers for criticality control. The Standard addresses neutron absorber selection, system design and modifications, safety evaluations, and quality control programs.

Single copy price: $47.00

Obtain an electronic copy from: scook@ans.org

Order from: Scook@ans.org

Send comments (with copy to psa@ansi.org) to: Patricia Schroeder, (708) 579-8269, pschroeder@ans.org

ANS (American Nuclear Society)

Reaffirmation

BSR/ANS 53.1-2011 (R201x), Nuclear Safety Design Process for Modular Helium-Cooled Reactor Plants (reaffirmation of ANSI/ANS 53.1-2011)

This standard establishes the nuclear safety criteria, functional performance and design requirements of structures, systems, and components (SSC) for modular helium reactor (MHR) plants applicable to performance-based, risk-informed regulation.

Single copy price: $233.00

Obtain an electronic copy from: scook@ans.org

Order from: Scook@ans.org

Send comments (with copy to psa@ansi.org) to: Patricia Schroeder, (708) 579-8269, pschroeder@ans.org

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

Addenda

BSR/ASHRAE Addendum a to ANSI/ASHRAE Standard 202-2013, Commissioning Process for Buildings and Systems (addenda to ANSI/ASHRAE Standard 202-2013)

This addendum to Standard 202-2013 changes the term “Commissioning Authority (CxA)” to “Commissioning Provider” throughout the standard.

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

ASTM (ASTM International)

Reaffirmation

BSR/ASTM F1284-2009 (R201x), Test Method for Evaluating Carpet Embedded Dirt Removal Effectiveness of Residential Central Vacuum Cleaning Systems (reaffirmation of ANSI/ASTM F1284-2009)

http://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: cleonard@astm.org

Order from: Corice Leonard, (610) 832-9744, accreditation@astm.org

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

ASTM (ASTM International)

Revision

BSR/ASTM D5677-201x, Specification for Fiberglass (Glass-Fiber-Reinforced Thermosetting-Resin) Pipe and Pipe Fittings, Adhesive Bonded Joint Type, for Aviation Jet Turbine Fuel Lines (revision of ANSI/ASTM D5677-2005 (R2010))

http://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: cleonard@astm.org

Order from: Corice Leonard, (610) 832-9744, accreditation@astm.org

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

ASTM (ASTM International)

Revision

BSR/ASTM E105-201x, Practice for Probability Sampling of Materials (revision of ANSI/ASTM E105-2010)

http://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: cleonard@astm.org

Order from: Corice Leonard, (610) 832-9744, accreditation@astm.org

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

ASTM (ASTM International)

Revision

BSR/ASTM E178-201x, Practice for Dealing with Outlying Observations (revision of ANSI/ASTM E178-2008)

http://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: cleonard@astm.org

Order from: Corice Leonard, (610) 832-9744, accreditation@astm.org

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

CSA (CSA Group)

Revision

BSR Z21.5.2-201x, Standard for Gas Clothes Dryers, Volume II, Type 2 Clothes Dryers (same as CSA 7.2) (revision of ANSI Z21.5.2-2013)

Details test and examination criteria for Type 2 clothes dryers for use with natural, manufactured or mixed gases, liquefied petroleum gases, or LP gas-air mixtures.

Single copy price: Free

Obtain an electronic copy from: cathy.rake@csagroup.org

Order from: Cathy Rake, (216) 524-4990 x88321, cathy.rake@csagroup.org

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

GTESS (Georgia Tech Energy & Sustainability Services)

Revision

BSR/MSE 50021-201X, Superior Energy Performance (TM) - Additional Requirements for Energy Management Systems (revision of ANSI/MSE 50021-2013)

MSE 50021 specifies additional requirements (beyond ISO 50001) for organizations seeking Superior Energy Performance Certification. Contents to include Scope, Terms and Definitions, and Requirements.

Single copy price: N/A

Obtain an electronic copy from: Moon.Kim@gtri.gatech.edu

Order from: Moon Kim, (404) 407-6404, Moon.Kim@gtri.gatech.edu

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

GTESS (Georgia Tech Energy & Sustainability Services)

Revision

BSR/MSE 50028-201x, Superior Energy Performance (TM) - Requirements for Verification Bodies for Use in Accreditation or Other Forms of Recognition (revision of ANSI/MSE 50028-2012)

In response to changes reflected in ISO/IEC 17021-1:2015, this revision to ANSI/MSE 50028 makes substantive changes to technical areas, audit program, and other sections. The Standard provides updated requirements for competence, consistency, and impartiality of the audit and certification of energy management systems and Superior Energy Performance. The Standard also addresses multi-site audits for the EnMS.

Single copy price: N/A

Obtain an electronic copy from: Moon.Kim@gtri.gatech.edu

Order from: Moon Kim, (404) 407-6404, Moon.Kim@gtri.gatech.edu

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

NAAMM (National Association of Architectural Metal Manufacturers)

Revision

BSR/NAAMM MBG 531-201x, Metal Bar Grating Manual (revision of ANSI/NAAMM MBG 531-2009)

This standard was developed by the MBG Division of NAAMM to provide guidance in the selection and use of metal bar grating

Single copy price: $25.00

Obtain an electronic copy from: https://www.naamm.org/ansi/pending.aspx

Order from: Vernon W. Lewis, Jr, NAAMM Tecuhnical Consultant, 123 College Place, #1101, Norfolk, VA 23510

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

NACE (NACE International, The Worldwide Corrosion Authority)

New Standard

BSR/NACE TMXXXX-201x, Test Method for Monitoring Atmospheric Corrosion Rate by Electrochemical Measurements (new standard)

This standard test method provides guidance on the specification, selection, and use of sensors for monitoring atmospheric corrosion using electrochemical techniques. It addresses the use of electrochemical sensors in a bare metal condition or with protective coatings. It encompasses sensor elements for measurement of free corrosion, galvanic corrosion, and conductance for assessing atmospheric corrosion. This standard is intended to be submitted for consideration as an ISO standard.

Single copy price: $45.00 (Non-Members); $33.75 (NACE Members)

Obtain an electronic copy from: rick.southard@nace.org

Order from: Richard Southard, (281) 228-6485, rick.southard@nace.org

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

SCTE (Society of Cable Telecommunications Engineers)

New Standard

BSR/SCTE 230-201x, Recommended Practice for Proper Handling of Audio-Video Synchronization in Cable Systems (new standard)

This Recommended Practice specifies proper procedures for the measurement of and maintenance of Audio-Video Synchronization (commonly known as “Lip Sync”) through various aspects of a cable system - including the headend and distribution architecture and devices.

Single copy price: $50.00

Obtain an electronic copy from: standards@scte.org

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

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

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 325-201X, Standard for Door, Drapery, Gate, Louver, and Window Operators and Systems (revision of ANSI/UL 325-2016)

Revises 12.3.4 to reduce the minimum length allowable of power cords used on cord-connected drapery operators. Revises the instruction requirements of 31.1.18. Adds an alternate method for evaluating protective electronic circuits and controls using requirements based on the Standard for Safety of Household and Similar Electrical Appliances, Part 1: General Requirements, UL 60335-1. Adds a new section titled, "Unattended operation control accessory," Section 32.6.

Single copy price: Contact comm2000 for pricing and delivery options

Obtain an electronic copy from: http://www.comm-2000.com

Order from: comm2000

Send comments (with copy to psa@ansi.org) to: Alan McGrath, (847) 664-3038, alan.t.mcgrath@ul.com

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 746C-201x, Standard for Safety for Polymeric Materials - Use in Electrical Equipment Evaluations (revision of ANSI/UL 746C-2015)

The intent of this proposal for UL 746C is to resolve comments to the following proposal topic, which was originally published by UL on February 5, 2016: (1) Propose setting 1/64 inch (0.4 mm) as Minimum Thickness Limit to Represent Thinner Thickness for Vertical Flammability Test Evaluation.

Single copy price: Contact comm2000 for pricing and delivery options

Obtain an electronic copy from: http://www.comm-2000.com

Order from: comm2000

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

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 751-201x, Standard for Safety for Refrigerated Vending Machines (revision of ANSI/UL 751-2014)

(1) Proposed addition and revision of requirements to provide an alternate method of evaluating protective electronic circuits and controls; (2) Proposed addition of requirements to address vending machines with remote operation or monitoring functionality.

Single copy price: Contact comm2000 for pricing and delivery options

Obtain an electronic copy from: http://www.comm-2000.com

Order from: comm2000

Send comments (with copy to psa@ansi.org) to: Beth Northcott, (847) 664-3198, Elizabeth.Northcott@ul.com

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 827-201x, Standard for Safety for Central-Station Alarm Services (revision of ANSI/UL 827-2014a)

Document dated 4-29-16 proposes requirements that include equivalent options for communication services providers and an alternate approach to Central Station automation system resiliency - performance-based expression of requirements.

Single copy price: Contact comm2000 for pricing and delivery options

Obtain an electronic copy from: http://www.comm-2000.com

Order from: comm2000

Send comments (with copy to psa@ansi.org) to: Paul Lloret, (510) 319-4269, Paul.E.Lloret@ul.com

Comment Deadline: June 28, 2016

ASME (American Society of Mechanical Engineers)

Reaffirmation

BSR/ASME PTC 51-2011 (R201X), Gas Turbine Inlet Air Conditioning Equipment (reaffirmation of ANSI/ASME PTC 51-2011)

This Code may be used for in situ testing of inlet air-conditioning systems (cooling/heating) as they apply to gas turbines in simple, cogeneration, and combined-cycle applications. Cooling systems covered by this Code include evaporative systems (foggers and media-based evaporative coolers) and mechanical/thermal refrigeration systems. Heating systems covered by this Code include compressor-bleed type systems and heating-coil systems.

Single copy price: $125.00

For Reaffirmations and Withdrawn standards, please view our catalog at http://catalog.asme.org

Send comments (with copy to psa@ansi.org) to: Remington Richmond, (212) 591-8404, richmondr@asme.org

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

New Standard

BSR INCITS 510-201x, Information technology - Fibre Channel - Generic Services - 7 (FC-GS-7) (new standard)

Describes in detail the Services accessed by well-known addresses defined in FC-FS-4. Generic Services described in this document are (a) Directory Service; (b) Management Service; and (c) Event Service. In addition, the Common Transport (CT) protocol is described. The Common Transport Service provides a common FC-4 for use by Generic Services. The following commands, parameter data, and features defined in previous versions of this standard are made obsolete by this standard: Annex B: Discovery (Informative), Annex C: Time Service (Informative), and Annex D: Performance Server (Informative)

Single copy price: Free

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

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

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

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:

ASTM (ASTM International)

BSR/ASTM WK42994-201x, New Specification for Synthetic Water Lubricated Bearings for Marine Propulsion (new standard)

Inquiries may be directed to Corice Leonard, (610) 832-9744, accreditation@astm.org

INMM (ASC N14) (Institute of Nuclear Materials Management)

BSR N14.33-2000 (R201x), Characterizing Damaged Spent Nuclear Fuel for the Purpose of Storage and Transport (reaffirmation of ANSI N14.33-2005)

30 Day Notice of Withdrawal: ANS 5 to 10 years past approval date

In accordance with clause 4.7.1 Periodic Maintenance of American National Standards of the ANSI Essential Requirements, the following American National Standards have not been reaffirmed or revised within the five-year period following approval as an ANS. Thus, they shall be withdrawn at the close of this 30-day public review notice in Standards Action.

INMM (ASC N14) (Institute of Nuclear Materials Management)

ANSI N14.33-2005, Storage and Transport of Damaged Spent Nuclear Fuel

Notice of Withdrawn ANS by an ANSI-Accredited Standards Developer

In accordance with clause 4.2.1.3.2 Withdrawal by ANSI-Accredited Standards Developer of the ANSI Essential Requirements, the following American National Standards have been withdrawn as an ANS.

ASTM (ASTM International)

ANSI/ASTM D664-2009, Test Method for Acid Number of Petroleum Products by Potentiometric Titration

ASTM (ASTM International)

ANSI/ASTM D975-2009, Specification for Diesel Fuel Oils

ASTM (ASTM International)

ANSI/ASTM D4175-2007, Terminology Relating to Petroleum, Petroleum Products, and Lubricants

ASTM (ASTM International)

ANSI/ASTM D6121-2008a, Test Method for Evaluation of Load-Carrying Capacity of Lubricants Under Conditions of Low Speed and High Torque Used for Final Hypoid Drive Axles

ASTM (ASTM International)

ANSI/ASTM D6375-2009, Test Method for Evaporation Loss of Lubricating Oils by Thermogravimetric Analyzer (TGA) (Noack Method)

ASTM (ASTM International)

ANSI/ASTM D7280-2007, Test Method for Quinoline-Insoluble (QI) Content of Tar and Pitch by Stainless Steel Crucible Filtration

ASTM (ASTM International)

ANSI/ASTM D7467-2009, Specification for Diesel Fuel Oil, Biodiesel Blend (B6 to B20)

ASTM (ASTM International)

ANSI/ASTM E2230-2013, Practice for Thermal Qualification of Type B Packages for Radioactive Material

ASTM (ASTM International)

ANSI/ASTM F758-2014, Specification for Smooth-Wall Poly(Vinyl Chloride) (PVC) Plastic Underdrain Systems for Highway, Airport, and Similar Drainage

ASTM (ASTM International)

ANSI/ASTM F2174-2002 (R2008), Practice for Verifying Acoustic Emission Sensor Response

ASTM (ASTM International)

ANSI/ASTM F2536-2006a (R2011), Guide for Installing Plastic DWV Piping Suspended from On-Grade Slabs

ASTM (ASTM International)

ANSI/ASTM F2881-2011, Specification for 12 to 60 in. [300 to 1500 mm] Polypropylene (PP) Dual Wall Pipe and Fittings for Non-Pressure Storm Sewer Applications

HL7 (Health Level Seven)

HL7 AS CDATEMPGD, R1-2013, HL7 Attachment Specification: Supplement to Consolidated CDA Templated Guide, Release 1 (TECHNICAL REPORT)

HL7 (Health Level Seven)

HL7 CDAR2IG PATAUTHDOC, R1-2013, HL7 Implementation Guide for CDA® R2: Patient Authored Documents, Release 1 (TECHNICAL REPORT)

HL7 (Health Level Seven)

HL7 DAM SPECIMEN, R1-2015, HL7 Domain Analysis Model: Specimen, Release 1 (TECHNICAL REPORT)

HL7 (Health Level Seven)

HL7 DAM TRAUMA, R1, HL7 Version 3 Domain Analysis Model: Trauma Registry Data Submission, Release 1 - US Realm (TECHNICAL REPORT)

HL7 (Health Level Seven)

HL7 EHRS ERXFP, R1, HL7 EHR-System ePrescribing Functional Profile, Release 1 - US Realm (TECHNICAL REPORT)

HL7 (Health Level Seven)

HL7 EHRS PHFP, R1.1-2012, HL7 EHR-System Public Health Functional Profile, Release 1.1 US Realm (TECHNICAL REPORT)

HL7 (Health Level Seven)

HL7 EHRS PHFP, R2-2015, HL7 EHR-System Public Health Functional Profile, Release 2 (TECHNICAL REPORT)

HL7 (Health Level Seven)

HL7 EHRS PHFP R1-2012, HL7 EHR-System Public Health Functional Profile, Release 1 (TECHNICAL REPORT)

HL7 (Health Level Seven)

HL7 EHR VRFP, R1-2012, HL7 EHR-S Vital Records Functional Profile, Release 1 - US Realm (TECHNICAL REPORT)

HL7 (Health Level Seven)

HL7 TEMPLREGREQAN, R1-2014, HL7 Templates Registry Business Process Requirements Analysis, Release 1 (TECHNICAL REPORT)

HL7 (Health Level Seven)

HL7 V2.5.1 IG OO ELINCS, R1-2008, V 2.5.1 Implementation Guide: Orders & Observations; Ambulatory Care Lab Results (ELINCS), Release 1 (TECHNICAL REPORT)

HL7 (Health Level Seven)

HL7 V2IG BMIPRT, R1-2013, HL7 Version 2.5.1 Implementation Guide: Height and Weight Report, Release 1 - US Realm (TECHNICAL REPORT)

HL7 (Health Level Seven)

HL7 V2IG CG LOINCGENVAR, R2-2013, HL7 Version 2 Implementation Guide: Clinical Genomics; Fully LOINC-Qualified Genetic Variation Model, Release 2 - US Realm (TECHNICAL REPORT)

HL7 (Health Level Seven)

HL7 V2IG CYTOGEN, R1, HL7 Version 2.5.1 Implementation Guide: Clinical Genomics; fully LOINC-Qualified Cytogenetic Model, R1 (US Realm) (TECHNICAL REPORT)

HL7 (Health Level Seven)

HL7 V3 DAM ANESTH R1-2013, HL7 Version 3 Domain Analysis Model: Preoperative Anesthesia, Release 1 (TECHNICAL REPORT)

HL7 (Health Level Seven)

HL7 V3DAM BRIDG R1-2012, HL7 Version 3 Domain Analysis Model: Biomedical Research Integrated Domain (BRIDG), Release 1 (TECHNICAL REPORT)

HL7 (Health Level Seven)

HL7 V3DAM CARD, R2-2012, HL7 Version 3 Domain Analysis Model: Cardiology, Release 2 (TECHNICAL REPORT)

HL7 (Health Level Seven)

HL7 V3DAM CDSvMR, R1-2012, HL7 Version 3 Domain Analysis Model: Virtual Medical Record for Clinical Decision Support (vMR-CDS), Release 1 (TECHNICAL REPORT)

HL7 (Health Level Seven)

HL7 V3 DAM EMS R1-2013, HL7 Version 3 Domain Analysis Model: Emergency Medical Services, Release 1 (TECHNICAL REPORT)

HL7 (Health Level Seven)

HL7 V3 DAM IZ, R1-2012, HL7 Version 3 Domain Analysis Model: Immunization, Release 1 (TECHNICAL REPORT)

HL7 (Health Level Seven)

HL7 V3 DAM MDD, R1, HL7 Version 3 Domain Analysis Model: Major Depressive Disorder, Release 1 - US Realm (TECHNICAL REPORT)

HL7 (Health Level Seven)

HL7 V3DAM OO DIETORD R1-2012, HL7 Version 3 Domain Analysis Model: Diet and Nutrition Orders, Release 1 (TECHNICAL REPORT)

HL7 (Health Level Seven)

HL7 V3 DAM SCHIZ, R1, HL7 Version 3 Domain Analysis Model: Schizophrenia, Release 1 - US Realm (TECHNICAL REPORT)

HL7 (Health Level Seven)

HL7 V3DAM TRAUMA, R1, HL7 Version 3 Domain Analysis Model: Trauma Registry Data Submission, Release 1 (TECHNICAL REPORT)

HL7 (Health Level Seven)

HL7 V3 DEEDS R1-2013, HL7 Version 3 Specification: Data Elements for Emergency Department Systems (DEEDS), Release 1 - US Realm (TECHNICAL REPORT)

HL7 (Health Level Seven)

HL7 V3 DIM EMS R1-2013, HL7 Version 3 Standard: Emergency Medical Services Domain Information Model, Release 1 (TECHNICAL REPORT)

HL7 (Health Level Seven)

HL V3DAM ALLERGY, R1, HL7 Version 3 Domain Analysis Model: Allergies and Intolerances, Release 1 (TECHNICAL REPORT)

HL7 (Health Level Seven)

HL V3 DAM PRULCERPREV, R1-2013, HL7 Version 3 Domain Analysis Model: Pressure Ulcer Prevention, Release 1 (TECHNICAL REPORT)

HL7 (Health Level Seven)

V3DAM DCM4MEDDEV R1-2015, HL7 Version 3 Domain Analysis Model; Detailed Clinical Models for Medical Devices, Release 1 (TECHNICAL REPORT)

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.

AAMI (Association for the Advancement of Medical Instrumentation)

Office: 4301 N. Fairfax Dr., Suite 301
Arlington, VA 22203

Contact: *Amanda Benedict*

Phone: (703) 253-8284

Fax: (703) 276-0793

E-mail: abenedict@aami.org

BSR/AAMI EQ93-201x, Medical equipment management - Vocabulary used in medical equipment programs and processes (new standard)

ASA (ASC S2) (Acoustical Society of America)

Office: 1305 Walt Whitman Rd
Suite 300
Melville, NY 11747

Contact: *Susan Blaeser*

Phone: (631) 390-0215

Fax: (631) 923-2875

E-mail: asastds@acousticalsociety.org

BSR/ASA S2.71-201x, Guide to the Evaluation of Human Exposure to Vibration in Buildings (revision of ANSI/ASA S2.71-1983 (R2012))

ASSE (ASC Z10) (American Society of Safety Engineers)

Office: 520 N. Northwest Highway
Park Ridge, IL 60068

Contact: *Tim Fisher*

Phone: (847) 768-3411

Fax: (847) 296-9221

E-mail: TFisher@ASSE.org

BSR ASSE Z10-201X, Occupational Health and Safety Management Systems (revision of ANSI AIHA Z10-2012)

ISA (International Society of Automation)

Office: 67 Alexander Drive
Research Triangle Park, NC 27709

Contact: *Eliana Brazda*

Phone: (919) 990-9228

Fax: (919) 549-8288

E-mail: ebrazda@isa.org

BSR/ISA 62443-2-4-201x, Security for Industrial Automation and Control Systems - Part 2-4: Security program requirements for IACS service providers (identical national adoption of IEC 62443-2-4)

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

Office: 1101 K Street NW
Suite 610
Washington, DC 20005-3922

Contact: *Rachel Porter*

Phone: (202) 626-5741

Fax: 202-638-4922

E-mail: comments@itic.org

BSR INCITS 510-201x, Information technology - Fibre Channel - Generic Services - 7 (FC-GS-7) (new standard)

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

NAAMM (National Association of Architectural Metal Manufacturers)

Office: 123 College Place
#1101
Norfolk, VA 23510

Contact: *Vernon (Wes) Lewis*

Phone: (757) 489-0787

E-mail: wlewis7@cox.net

BSR/NAAMM MBG 531-201x, Metal Bar Grating Manual (revision of ANSI/NAAMM MBG 531-2009)

Obtain an electronic copy from: https://www.naamm.org/ansi/pending.aspx

TAPPI (Technical Association of the Pulp and Paper Industry)

Office: 15 Technology Parkway South
Peachtree Corners, GA 30092

Contact: *Laurence Womack*

Phone: (770) 209-7276

Fax: (770) 446-6947

E-mail: standards@tappi.org

BSR/TAPPI T 421 om-201x, Qualitative (including optical microscopic) analysis of mineral filler and mineral coating of paper (revision of ANSI/TAPPI T 421 om-2012)

BSR/TAPPI T 832 om-201x, Water absorption of corrugating medium: Float curl method (revision of ANSI/TAPPI T 832 om-2012)

TIA (Telecommunications Industry Association)

Office: 1320 North Courthouse Road
Suite 200
Arlington, VA 22201

Contact: *Teesha Jenkins*

Phone: (703) 907-7706

Fax: (703) 907-7727

E-mail: standards@tiaonline.org

BSR/TIA 568-C.2-1-201x, Balanced Twisted-Pair Telecommunications Cabling and Components Standard, Addendum 1: Specifications for 100 Next Generation Cabling (addenda to ANSI/TIA 568-C.2-2009)

Obtain an electronic copy from: TIA

UL (Underwriters Laboratories, Inc.)

Office: 47173 Benicia Street
Fremont, CA 94538

Contact: *Paul Lloret*

Phone: (510) 319-4269

E-mail: Paul.E.Lloret@ul.com

BSR/UL 827-201x, Standard for Safety for Central-Station Alarm Services (revision of ANSI/UL 827-2014a)

Obtain an electronic copy from: http://www.comm-2000.com

Call for Members (ANS Consensus Bodies)

ANSI/ASHRAE Standard 15-2013, Safety Standard for Refrigeration Systems

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

Office: 1791 Tullie Circle NE
Atlanta, GA 30139
Contact: Stephanie Reiniche
Phone: (678) 539-1143
Fax: (678) 539-2143
E-mail: standards.section@ashrae.org

SSPC 15 is seeking members in the User and Designer Interest categories. This standard specifies safe design, construction, installation and operation of refrigeration systems. The interest categories are defined as following:

Designer: A designer of buildings, building systems or subsystems (including envelope, HVAC, lighting). A person in this category would make their living from designing buildings and systems that are impacted by the standard. Example members of this category would be architects, design firms, consulting engineers, lighting designers and employees of energy consulting firms.

User: A member who represents the interest of those that purchase or use materials, products, systems, or services other than for household use covered in the project scope

Call for Members (ANS Consensus Bodies)

Call for Subcommittee Members

R15 Robots and Robotic Devices

R15.08 Industrial Mobile Robot Safety Subcommittee

The Robotic Industries Association (RIA) is seeking additional members for its new subcommittee on Industrial Mobile Robot Safety (R15.08). Interested parties should contact Carole Franklin at cfranklin@robotics.org.

Call for Members (ANS Consensus Bodies)

Call for Committee Members

ASC O1

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.

ACCA (Air Conditioning Contractors of America)

Revision

ANSI/ACCA 9 QIvp Standard-2016, HVAC Quality Installation Verification Protocols (revision of ANSI/ACCA 9 QIvp-2011): 4/20/2016

ANS (American Nuclear Society)

Revision

ANSI/ANS 15.4-2016, Selection and Training of Personnel for Research Reactors (revision of ANSI/ANS 15.4-2007): 4/19/2016

API (American Petroleum Institute)

New Standard

ANSI/API Standard 537-2016, Flare Details for Petroleum, Petrochemical and Natural Gas Industries (new standard): 4/25/2016

ASME (American Society of Mechanical Engineers)

Revision

ANSI/API 579-1/ASME FFS-1-2016, Fitness-for-Service (revision of ANSI/API 579-1/ASME FFS-1-2007): 4/19/2016

AWS (American Welding Society)

New Standard

ANSI/AWS G1.10M:2016, Guide for the Evaluation of Thermoplastic Welds (new standard): 4/21/2016

BICSI (Building Industry Consulting Service International)

Revision

ANSI/BICSI 005-2016, Electronic Safety and Security (ESS) System Design and Implementation Best Practices (revision of ANSI/BICSI 005-2013): 4/19/2016

CPA (Composite Panel Association)

Revision

* ANSI A208.2-2016, Medium Density Fiberboard (MDF) for Interior Applications (revision of ANSI A208.2-2009): 4/20/2016

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

Supplement

INCITS 504-2:2013/AM 1-2016, Information Technology - Generic Identity Command Set - Part 2: Card Administrative Command Set - Amendment 1 (supplement to INCITS 504-2:2013): 4/25/2016

NCPDP (National Council for Prescription Drug Programs)

Revision

ANSI/NCPDP SC Standard 2016041-2016, NCPDP SCRIPT Standard 2016041 (revision and redesignation of ANSI/NCPDP SC 2015071 -2015): 4/25/2016

ANSI/NCPDP Specialized Standard 2016041-2016, NCPDP Specialized Standard 2016041 (revision and redesignation of ANSI/NCPDP Specialized Standard 2015071-2015): 4/25/2016

NECA (National Electrical Contractors Association)

Revision

ANSI/NECA 130-2016, Standard for Installing and Maintaining Wiring Devices (revision of ANSI/NECA 130-2010): 4/20/2016

* ANSI/NECA 200-2016, Standard for Installing and Maintaining Temporary Electric Power at Construction Sites (revision of ANSI/NECA 200-2010): 4/19/2016

ANSI/NECA 230-2016, Standard for Selecting, Installing, and Maintaining of Electric Motors and Motor Controllers (revision of ANSI/NECA 230-2010): 4/25/2016

NEMA (ASC C81) (National Electrical Manufacturers Association)

Revision

* ANSI C81.61-2016, Standard for Electrical Lamp Bases - Specifications for Bases (Caps) for Electric Lamps (revision of ANSI C81.61-2009 (R2014)): 4/20/2016

NSF (NSF International)

Revision

ANSI/NSF 173-2016 (i60r1), Dietary Supplements (revision of ANSI/NSF 173-2013): 4/24/2016

SCTE (Society of Cable Telecommunications Engineers)

Revision

ANSI/SCTE 130-4-2015, Digital Program Insertion-Advertising Systems Interfaces - Part 4: Content Information Service (CIS) (revision of ANSI/SCTE 130-4-2011): 4/19/2016

TAPPI (Technical Association of the Pulp and Paper Industry)

New Standard

ANSI/TAPPI T 403 om-2015, Bursting Strength of Paper (new standard): 4/25/2016

TIA (Telecommunications Industry Association)

New Standard

ANSI/TIA 5041-2016, FAST Digital IF Architecture and Open Standard Digital IF Interfaces (new standard): 4/20/2016

UL (Underwriters Laboratories, Inc.)

Reaffirmation

ANSI/UL 823-2012 (R2016), Standard for Safety for Electric Heaters for Use in Hazardous (Classified) Locations (Proposal dated 02-26 -16) (reaffirmation of ANSI/UL 823-2007 (R2012)): 4/22/2016

Revision

ANSI/UL 5C-2016, Standard for Safety for Surface Metal Raceways and Fittings for Use with Data, Signal, and Control Circuits (revision of ANSI/UL 5C-2010 (R2015)): 4/22/2016

ANSI/UL 25-2016, Standard for Safety for Meters for Flammable and Combustible Liquids and LP-Gas (revision of ANSI/UL 25-2010 (R2014)): 4/19/2016

ANSI/UL 25A-2016, Standard for Safety for Meters for Gasoline and Gasoline/Ethanol Blends with Nominal Ethanol Concentrations up to 85 Percent (E0 - E85) (revision of ANSI/UL 25A-2015): 4/21/2016

ANSI/UL 25B-2016, Standard for Safety for Meters for Diesel Fuel, Biodiesel Fuel, Diesel/Biodiesel Blends with Nominal Biodiesel Concentrations up to 20 Percent (B20), Kerosene, and Fuel Oil (revision of ANSI/UL 25B-2015): 4/21/2016

ANSI/UL 541-2016, Refrigerated Vending Machines (revision of ANSI/UL 541-2013): 4/21/2016

VITA (VMEbus International Trade Association (VITA))

New Standard

ANSI/VITA 66.4-2016, Optical Interconnect on VPX - Half Width MT Variant (new standard): 4/25/2016

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. To view information about additional standards for which a PINS has been submitted and to search approved ANS, please visit www.NSSN.org, which is a database of standards information. Note that this database is not exhaustive.

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.

AAMI (Association for the Advancement of Medical Instrumentation)

Office: 4301 N. Fairfax Dr., Suite 301
Arlington, VA 22203

Contact: *Amanda Benedict*

Fax: (703) 276-0793

E-mail: abenedict@aami.org

BSR/AAMI EQ93-201x, Medical equipment management - Vocabulary used in medical equipment programs and processes (new standard)

Stakeholders: Healthcare technology managers; device manufacturers; regulatory/accrediting agencies

Project Need: While there is apparently ongoing regulatory interest in medical equipment maintenance performance, there is currently no American National Standard that provides a comprehensive vocabulary of terms used in connection with medical equipment management and maintenance programs and processes. These terms are best defined using a consensus-based approach that will encourage input from stakeholders for medical equipment management across various interest categories.

The standard will establish a vocabulary of terms used in connection with medical equipment management and maintenance programs and processes.

ASA (ASC S2) (Acoustical Society of America)

Office: 1305 Walt Whitman Rd
Suite 300
Melville, NY 11747

Contact: *Susan Blaeser*

Fax: (631) 923-2875

E-mail: asastds@acousticalsociety.org

BSR/ASA S2.71-201x, Guide to the Evaluation of Human Exposure to Vibration in Buildings (revision of ANSI/ASA S2.71-1983 (R2012))

Stakeholders: Industrial and safety engineering, government regulators, medical.

Project Need: This standard is over 30 years old and needs to be updated in regard to reference standards and to align with its international counterpart. National adoption would not be beneficial since the American National Standard contains important criteria that are not included in the ISO standard.

Human reaction to vibrations of 1 to 80 Hz inside buildings are assessed by degrees of perception and associated vibration levels and durations. Accelerations or velocities inside buildings may be measured to assess perceptibility and possible adverse reactions from those inside. A variety of building types and situations are covered by multiplying factors applied to the basic curves. Responses are related to durations, vibration frequencies, and body orientation with respect to the vibration.

ASC X9 (Accredited Standards Committee X9, Incorporated)

Office: 275 West Street
Suite 107
Annapolis, MD 21401

Contact: *Janet Busch*

Fax: (410) 267-0961

E-mail: janet.busch@x9.org

BSR X9.100-111-201x, Specifications for Check Endorsements (revision of ANSI X9.100-111-2015)

Stakeholders: Banks, software and hardware vendors, and other users (corporations, consumers, etc.)

Project Need: This is routine maintenance – 5-year review of an existing standard.

This standard provides the location for all physical check endorsements and electronic endorsement overlays applied to check images. This standard specifies the parameters for the background and design elements on the back of the check and the placement and data content of endorsements. This standard is not intended to apply to the format of electronic endorsement records, as defined within check image exchange standards (X9.100-187), the creation of substitute checks (X9.100-140) or endorsements on the front of the physical check or its image.

ASSE (ASC Z10) (American Society of Safety Engineers)

Office: 520 N. Northwest Highway
Park Ridge, IL 60068

Contact: *Tim Fisher*

Fax: (847) 296-9221

E-mail: TFisher@ASSE.org

BSR ASSE Z10-201X, Occupational Health and Safety Management Systems (revision and redesignation of ANSI AIHA Z10-2012)

Stakeholders: Occupational safety and health professionals and those with an interest and responsibility for occupational safety and health

Project Need: Based upon the consensus of the Z10 Committee and the OSH Leadership of ASSE.

This standard provides basic requirements for occupational health and safety management systems, rather than detailed specifications. This approach is designed to provide flexibility to conform to this standard in a manner appropriate to each organization and commensurate with its occupational health and safety risks.

AWWA (American Water Works Association)

Office: 6666 W. Quincy Ave.
Denver, CO 80235

Contact: *Paul Olson*

Fax: (303) 795-7603

E-mail: polson@awwa.org; vdavid@awwa.org

BSR/AWWA FFBD-201x, Fine Bubble Diffusers for Water and Wastewater Service (new standard)

Stakeholders: Water and wastewater treatment and supply industry, wastewater and water utilities, consulting engineers, water and wastewater treatment equipment manufacturers, etc.

Project Need: To provide the minimum requirements for fine bubble diffusers used for water and wastewater service, including material, design, inspection, testing, and handling.

This standard will describe fine bubble diffusers assemblies used in water and wastewater service.

CRSI (Concrete Reinforcing Steel Institute)

Office: 933 North Plum Grove Road
Schaumburg, IL 60173

Contact: *Mike Mota*

E-mail: mmota@crsi.org

BSR/CRSI CG1.1-201x, Standard for Epoxy-Coating Plant: Straight Bar Lines (revision of ANSI/CRSI CG1.1-2014)

Stakeholders: Epoxy coaters, general contractors, architects, civil and pavement engineers, state transportation officials.

Project Need: Update of 2014 edition.

Standard covers practices for the epoxy-coating of reinforcing steel bars on straight bar lines. Standard establishes the minimum procedures used to monitor production and assess quality during the application of an epoxy coating to straight steel reinforcing bars. The Standard outlines the minimum requirements for documentation, observation, and testing as part of a quality control program.

BSR/CRSI CG1.2-201x, Standard for Epoxy-Coated Facilities: Custom Lines (revision of ANSI/CRSI CG1.2-2015)

Stakeholders: Epoxy coaters, general contractors, architects, civil and pavement engineers, state transportation officials.

Project Need: Update of 2014 edition.

Standard covers practices for the epoxy-coating of reinforcing steel bars on custom lines. Standard establishes the minimum procedures used to monitor production and assess quality during the application of an epoxy coating to prefabricated steel reinforcing bars. The Standard outlines the minimum requirements for documentation, observation, and testing as part of a quality control program.

BSR/CRSI CG2.1-201x, Standard for Epoxy-Coated Steel Reinforcing Bar Fabrication Facilities (revision of ANSI/CRSI CG2.1-2014)

Stakeholders: Suppliers of reinforcing bar detailing services, producers of computer detailing software, fabricators of epoxy-coated steel reinforcing bars, placers of steel reinforcing bars, field inspectors.

Project Need: Update of 2014 edition.

Standard covers practices for the fabrication, storage, and handling of epoxy-coated reinforcing steel at fabricator facilities. Standard describes standard practice for bar fabrication quality process for epoxy-coated steel reinforcing bars.

BSR/CRSI RB4.1-201x, Standard for Supports for Reinforcement Used in Concrete (revision of ANSI/CRSI RB4.1-2014)

Stakeholders: Manufacturers of reinforcement materials; manufacturers of supports; placers of reinforcement; general contractors; architects; structural, civil, and pavement engineers; state transportation officials.

Project Need: Update of 2014 edition.

Standard addresses use of supports to securely locate reinforcement during the process of casting reinforced concrete members. Standard covers the types of supports (metal, cementitious, composite), and their application in different structural members. Different “Classes” of support types are defined, based on level of corrosion resistance.

ISA (International Society of Automation)

Office: 67 Alexander Drive
Research Triangle Park, NC 27709

Contact: *Eliana Brazda*

Fax: (919) 549-8288

E-mail: ebrazda@isa.org

BSR/ISA 62443-2-4-201x, Security for Industrial Automation and Control Systems - Part 2-4: Security program requirements for IACS service providers (identical national adoption of IEC 62443-2-4)

Stakeholders: All processing and manufacturing industries.

Project Need: This standard will be part of a series that addresses the critical issue of cyber security for industrial automation and control systems.

Specifies requirements for security capabilities for industrial automation and control systems service providers that they can offer to the asset owner during integration and maintenance activities of an automation solution.

TAPPI (Technical Association of the Pulp and Paper Industry)

Office: 15 Technology Parkway South
Peachtree Corners, GA 30092

Contact: *Laurence Womack*

Fax: (770) 446-6947

E-mail: standards@tappi.org

BSR/TAPPI T 421 om-201x, Qualitative (including optical microscopic) analysis of mineral filler and mineral coating of paper (revision of ANSI/TAPPI T 421 om-2012)

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

Project Need: To conduct required five-year review of an existing TAPPI/ANSI standard in order to revise it if needed to address new technology or correct errors.

This method describes procedures which may be used for the qualitative determination and identification of the mineral constituents of filled and coated papers. Due to the similarity in chemical composition and physical size and shape of some of the various possible constituents contained in a given paper specimen, more precise quantitative methods may at times be required for positive identification. It is recommended that one become thoroughly familiar with this method by analyzing paper samples of known mineral component content.

BSR/TAPPI T 832 om-201x, Water absorption of corrugating medium: Float curl method (revision of ANSI/TAPPI T 832 om-2012)

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

Project Need: To conduct required five-year review of an existing TAPPI/ANSI standard in order to revise it if needed to address new technology or correct errors.

The water absorptivity of corrugating medium is measured by floating a specimen on the surface of a vessel of water and determining the time for the specimen to become saturated. This method is applicable to corrugating medium as it is commercially produced by all processes. It is generally applicable to relatively unsized (water leaf) paperboards. It may not be applicable for more highly sized boards or to grades produced in different grammage (basis weight) from those normally used in corrugating medium.

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)
- AAMVA (American Association of Motor Vehicle Administrators)
- AGA (American Gas Association)
- AGSC (Auto Glass Safety Council)
- ASC X9 (Accredited Standards Committee X9, Incorporated)
- ASHRAE (American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.)
- ASME (American Society of Mechanical Engineers)
- ASTM (ASTM International)
- GBI (The Green Building Initiative)
- GEIA (Greenguard Environmental Institute)
- HL7 (Health Level Seven)
- IESNA (The Illuminating Engineering Society of North America)
- MHI (ASC MH10) (Material Handling Industry)
- NAHBRC (NAHB Research Center, Inc.)
- NBBPVI (National Board of Boiler and Pressure Vessel Inspectors)
- NCPDP (National Council for Prescription Drug Programs)
- NISO (National Information Standards Organization)
- NSF (NSF International)
- PRCA (Professional Ropes Course Association)
- RESNET (Residential Energy Services Network)
- 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.

AAMI
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4301 N. Fairfax Dr., Suite 301
Arlington, VA 22203
Phone: (703) 253-8284
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Web: www.aami.org

ACCA
Air Conditioning Contractors of America
2800 Shirlington Road
Suite 300
Arlington, VA 22206
Phone: (703) 824-8870
Web: www.acca.org

AIAA
American Institute of Aeronautics and Astronautics
12700 Sunrise Valley Drive, Suite 200
Reston, VA 20191-5807
Phone: (703) 264-7546
Web: www.aiaa.org

ANS
American Nuclear Society
555 North Kensington Avenue
La Grange Park, IL 60526
Phone: (708) 579-8268
Fax: (708) 579-8248
Web: www.ans.org

API
American Petroleum Institute
1220 L Street, NW
Washington, DC 20005-4070
Phone: (202) 682-8157
Web: www.api.org

ASA (ASC S12)
Acoustical Society of America
1305 Walt Whitman Rd
Suite 300
Melville, NY 11747
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Fax: (631) 923-2875
Web: www.acousticalsociety.org

ASC X9
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275 West Street
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Web: www.x9.org

ASHRAE
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1791 Tullie Circle, NE
Atlanta, GA 30329
Phone: (404) 636-8400
Fax: (404) 321-5478
Web: www.ashrae.org

ASME
American Society of Mechanical Engineers
Two Park Avenue
New York, NY 10016
Phone: (212) 591-8521
Fax: (212) 591-8501
Web: www.asme.org

ASSE (Safety)
American Society of Safety Engineers
520 N. Northwest Highway
Park Ridge, IL 60068
Phone: (847) 768-3411
Fax: (847) 296-9221
Web: www.asse.org

ASTM
ASTM International
100 Barr Harbor Drive
West Conshohocken, PA 19428-2959
Phone: (610) 832-9744
Fax: (610) 834-3683
Web: www.astm.org

AWS
American Welding Society
8669 NW 36 Street, #130
Miami, FL 33166
Phone: (305) 443-9353
Web: www.aws.org

AWWA
American Water Works Association
6666 W. Quincy Ave.
Denver, CO 80235
Phone: (303) 347-6178
Fax: (303) 795-7603
Web: www.awwa.org

BICSI
Building Industry Consulting Service International
8610 Hidden River Parkway
Tampa, FL 33637
Phone: (813) 903-4712
Fax: (813) 971-4311
Web: www.bicsi.org

CPA
Composite Panel Association
19465 Deerfield Ave
306
Leesburg, Virginia 20176
Phone: 703-724-1128

CRSI
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933 North Plum Grove Road
Schaumburg, IL 60173
Phone: (856) 264-3851
Web: www.crsi.org

CSA
CSA Group
8501 East Pleasant Valley Rd.
Cleveland, OH 44131
Phone: (216) 524-4990 x88321
Fax: (216) 520-8979
Web: www.csa-america.org

GTESS
Georgia Tech Energy & Sustainability Services
75 Fifth Street N.W
Suite 300
Atlanta, GA 30308
Phone: (404) 407-6404
Fax: (404) 894-8194
Web: www.innovate.gatech.edu

ISA (Organization)
International Society of Automation
67 Alexander Drive
Research Triangle Park, NC 27709
Phone: (919) 990-9228
Fax: (919) 549-8288
Web: www.isa.org

ITI (INCITS)
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1101 K Street NW
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NAAMM
National Association of Architectural Metal Manufacturers
123 College Place
#1101
Norfolk, VA 23510
Phone: (757) 489-0787
Web: www.naamm.org

NACE
NACE International, The Worldwide Corrosion Authority
15835 Park Ten Place
Houston, TX 77084
Phone: (281) 228-6485
Web: www.nace.org

NCPDP
National Council for Prescription Drug Programs
9240 East Raintree Drive
Scottsdale, AZ 85260
Phone: (512) 291-1356
Fax: (480) 767-1042
Web: www.ncpdp.org

NECA
National Electrical Contractors Association
3 Bethesda Metro Center
Suite 1100
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Phone: (301) 215-4549
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Web: www.neca-neis.org

NEMA (ASC C82)
National Electrical Manufacturers Association
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Phone: 703-841-3262
Fax: 703-841-3362
Web: www.nema.org

NSF
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789 N. Dixboro Road
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Phone: (734) 827-3817
Fax: (734) 827-7875
Web: www.nsf.org

SCTE
Society of Cable Telecommunications Engineers
140 Philips Road
Exton, PA 19341-1318
Phone: (480) 252-2330
Fax: (610) 363-5898
Web: www.scte.org

TAPPI
Technical Association of the Pulp and Paper Industry
15 Technology Parkway South
Peachtree Corners, GA 30092
Phone: (770) 209-7276
Fax: (770) 446-6947
Web: www.tappi.org

TIA
Telecommunications Industry Association

1320 North Courthouse Road
Suite 200
Arlington, VA 22201
Phone: (703) 907-7706
Fax: (703) 907-7727
Web: www.tiaonline.org

UL
Underwriters Laboratories, Inc.

333 Pfingsten Road
Northbrook, IL 60062-2096
Phone: (847) 664-1725
Fax: (847) 407-1725
Web: www.ul.com

VITA
VMEbus International Trade Association (VITA)

929 W. Portobello Avenue
Mesa, AZ 85210
Phone: (602) 281-4497
Web: www.vita.com

ISO & IEC Draft International Standards

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

Comments

Comments regarding ISO documents should be sent to ANSI's ISO Team (isot@ansi.org); 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

AGRICULTURAL FOOD PRODUCTS (TC 34)

ISO/DIS 21294, Oilseeds - Manual or automatic discontinuous sampling - 5/21/2016, $53.00

AIRCRAFT AND SPACE VEHICLES (TC 20)

ISO/DIS 18170, Aerospace series - AC induction electric motor driven, variable delivery, hydraulic pumps - General requirements - 5/21/2016

ISO/DIS 18387, Aerospace - Linear hydraulic utility actuator - General specifications - 5/21/2016

BANKING AND RELATED FINANCIAL SERVICES (TC 68)

ISO/DIS 20275, Financial services - Entity legal forms (ELF) - 5/21/2016, $33.00

DENTISTRY (TC 106)

ISO/DIS 14457, Dentistry - Handpieces and motors - 5/21/2016

DOCUMENT IMAGING APPLICATIONS (TC 171)

ISO/DIS 22938, Document management - Electronic content/document management (CDM) data interchange format - 5/21/2016, $33.00

ENVIRONMENTAL MANAGEMENT (TC 207)

ISO/DIS 14052, Environmental management - Material flow cost accounting - Guidance for practical implementation in a supply chain - 5/21/2016

EQUIPMENT FOR FIRE PROTECTION AND FIRE FIGHTING (TC 21)

ISO/DIS 7240-18, Fire detection and alarm systems - Part 18: Input/output devices - 7/14/2016, $71.00

FASTENERS (TC 2)

ISO/DIS 10683, Fasteners - Non-electrolytically applied zinc flake coatings - 7/14/2016, $98.00

FURNITURE (TC 136)

ISO/DIS 7170, Furniture - Storage units - Test methods for the determination of strength and durability - 7/9/2016, $112.00

ISO/DIS 7171, Furniture - Storage units - Test methods for the determination of stability - 7/9/2016, $46.00

HYDROMETRIC DETERMINATIONS (TC 113)

ISO/DIS 18481, Hydrometry - Liquid flow measurement using end depth method in channels with a free overfall - 5/21/2016, $82.00

IMPLANTS FOR SURGERY (TC 150)

ISO/DIS 8637-1, Extracorporeal systems for blood purification - Part 1: Haemodialysers, haemodiafilters, haemofilters and haemoconcentrators - 5/21/2016, $77.00

ISO/DIS 8637-2, Extracorporeal systems for blood purification - Part 2: Extracorporeal blood circuit for haemodialysers, haemodiafilters and haemofilters - 5/21/2016, $67.00

ISO/DIS 8637-3, Extracorporeal systems for blood purification - Part 3: Plasmafilters - 5/21/2016, $62.00

MACHINE TOOLS (TC 39)

ISO/DIS 19085-10, Woodworking machines - Safety - Part 10: Building site saws (contractor saws) - 7/10/2016, $119.00

MATERIALS, EQUIPMENT AND OFFSHORE STRUCTURES FOR PETROLEUM AND NATURAL GAS INDUSTRIES (TC 67)

ISO/DIS 21809-5, Petroleum and natural gas industries - External coatings for buried or submerged pipelines used in pipeline transportation systems - Part 5: External concrete coatings - 5/21/2016, $93.00

MECHANICAL VIBRATION AND SHOCK (TC 108)

ISO/DIS 16063-45, Methods for the calibration of vibration and shock transducers - Part 45: In-situ calibration of transducers with built in calibration coil - 7/15/2016, $62.00

OPTICS AND OPTICAL INSTRUMENTS (TC 172)

ISO/DIS 18369-1, Ophthalmic optics - Contact lenses - Part 1: Vocabulary, classification system and recommendations for labelling specifications - 5/21/2016, $125.00

ISO/DIS 18369-2, Ophthalmic optics - Contact lenses - Part 2: Tolerances - 5/21/2016, $46.00

ISO/DIS 18369-3, Ophthalmic optics - Contact lenses - Part 3: Measurement methods - 5/21/2016, $107.00

ISO/DIS 18369-4, Ophthalmic optics - Contact lenses - Part 4: Physicochemical properties of contact lens materials - 5/21/2016, $102.00

PAPER, BOARD AND PULPS (TC 6)

ISO/DIS 11480, Pulp, paper and board - Determination of total chlorine and organically bound chlorine - 5/21/2016, $67.00

PLASTICS (TC 61)

ISO 472/DAmd1, Plastics - Vocabulary - Amendment 1 - 7/15/2016, $53.00

ISO/DIS 4582, Plastics - Determination of changes in colour and variations in properties after exposure to daylight under glass, natural weathering or laboratory light sources - 7/10/2016, $71.00

ISO/DIS 9370, Plastics - Instrumental determination of radiant exposure in weathering tests - General guidance and basic test method - 7/14/2016, $77.00

ISO/DIS 14851, Determination of the ultimate aerobic biodegradability of plastic materials in an aqueous medium - Method by measuring the oxygen demand in a closed respirometer - 7/8/2016, $77.00

ISO/DIS 22007-1, Plastics - Determination of thermal conductivity and thermal diffusivity - Part 1: General principles - 7/8/2016, $77.00

QUALITY MANAGEMENT AND QUALITY ASSURANCE (TC 176)

ISO/DIS 10007, Quality management systems - Guidelines for configuration management - 7/8/2016, $53.00

ROAD VEHICLES (TC 22)

ISO/DIS 15118-5, Road vehicles - Vehicle to grid communication interface - Part 5: Physical layer and data link layer conformance test - 7/14/2016, $230.00

ISO/DIS 19723-1, Road vehicles - Liquefied natural gas (LNG) fuel systems - Part 1: Safety requirements - 5/21/2016, $67.00

ISO/DIS 19723-2, Road vehicles - Liquefied natural gas (LNG) fuel systems - Part 2: Test methods - 5/21/2016, $53.00

ROLLING BEARINGS (TC 4)

ISO/DIS 20015, Spherical plain bearings - Method for the calculation of static and dynamic load ratings - 5/21/2016, $53.00

RUBBER AND RUBBER PRODUCTS (TC 45)

ISO/DIS 1795, Rubber, raw natural and raw synthetic - Sampling and further preparative procedures - 5/21/2016, $40.00

ISO/DIS 1825, Rubber hoses and hose assemblies for aircraft ground fuelling and defuelling - Specification - 7/15/2016, $93.00

ISO/DIS 2411, Rubber- or plastics-coated fabrics - Determination of coating adhesion - 7/15/2016, $67.00

ISO/DIS 4675, Rubber- or plastics-coated fabrics - Low-temperature bend test - 7/10/2016, $40.00

ISO/DIS 6472, Rubber compounding ingredients - Abbreviated terms - 5/21/2016, $77.00

ISO/DIS 20057, Rubber household glove - General requirements and test methods - 7/10/2016, $53.00

SPRINGS (TC 227)

ISO/DIS 19690-1, Disc springs - Part 1: Calculation - 7/10/2016, $58.00

STEEL (TC 17)

ISO/DIS 3887, Steels - Determination of depth of decarburization - 7/15/2016, $58.00

TIMBER (TC 218)

ISO/DIS 13061-15, Physical and mechanical properties of wood - Test methods for small clear wood specimens - Part 15: Determination of radial and tangential swelling - 5/21/2016

ISO/DIS 13061-16, Physical and mechanical properties of wood - Test methods for small clear wood specimens - Part 16: Determination of volumetric swelling - 5/21/2016

TIMBER STRUCTURES (TC 165)

ISO/DIS 12122-5, Timber structures - Determination of characteristic values - Part 5: Mechanical connections - 7/14/2016, $62.00

TRADITIONAL CHINESE MEDICINE (TC 249)

ISO/DIS 20311, Traditional Chinese medicine - Salvia miltiorrhiza seeds and seedlings - 7/10/2016, $58.00

ISO/DIS 20409, Traditional Chinese medicine - Panax notoginseng root and rhizome - 7/13/2016, $71.00

IEC Standards

17A/1118/CDV, Amendment 2 to IEC 62271-100 Ed.2: High-voltage switchgear and controlgear - Part 100: Alternating current circuit-breakers, 07/15/2016

17A/1119/CDV, Amendment 1 to IEC 62271-101 Ed.2: High-voltage switchgear and controlgear - Part 101: Synthetic testing, 07/15/2016

20/1637/NP, High temperature superconducting power cables and their accessories for rated voltags from 6 kv (Um = 7.2 kv) up to 500 kv (Um = 550 kv) - Test methods and requirements, 07/15/2016

40/2462/NP, Directly heated negative temperature coefficient thermistors - Part 1-1: Blank detail specification - Sensing application - Assessment level EZ, 07/15/2016

51/1134/CDV, IEC 62211 Ed.2: Inductive components - Reliability management, 07/15/2016

51/1135/CDV, IEC 61605 Ed.3: Fixed Inductors for use in electronic and telecommunication equipment - Marking codes, 07/15/2016

57/1714/CD, IEC 61968-13 Ed.2: Application integration at electric utilities - System interfaces for distribution management - Part 13: Common distribution power system model profiles, 07/15/2016

57/1715/DC, Draft IEC TR 61850-90-9, Communication networks and systems for power utility automation - Part 90-9: Use of IEC 61850 for electrical energy storage systems, 06/03/2016

65E/497/CDV, IEC 62714-3 Ed. 1.0: Engineering Data Exchange Format for Use in Industrial Automation Systems Engineering - Automation Markup Language - Part 3: Geometry and kinematics, 07/15/2016

81/509/CDV, IEC 62561-1 Ed.2: Lightning Protection System Components (LPSC) - Part 1: Requirements for connection components, 07/15/2016

82/1109/CD, IEC 60904-12 TS Ed.1: Photovoltaic devices - Part 12: Infrared thermography of photovoltaic modules, 07/15/2016

86B/3976/CDV, IEC 61300-2-4/Ed2: Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 2-4: Tests: Fibre/cable retention, 07/15/2016

87/615/CD, IEC TS 62903 Ed.1: Ultrasonics - Measurement of Electroacoustical Parameters and Acoustic Output Power of Spherically Focusing Transducers using the Self-Reciprocity Method, 07/15/2016

100/2653/CDV, IEC 60728-12 Ed. 2.0: Cable networks for television signals, sound signals and interactive services - Part 12: Electromagnetic compatibility of systems, 07/15/2016

106/361/FDIS, IEC 62209-1: Measurement procedure for the assessment of specific absorption rate of human exposure to radio frequency fields from hand-held and body-mounted wireless communication devices - Part 1: Devices used next to the ear (Frequency range of 300 MHz to 6 GHz), 06/03/2016

110/741/CDV, IEC 62715-5-3 Ed.1: Flexible display devices - Part 5-3: Visual assessment, 07/15/2016

116/279/CDV, IEC 62841-2-1 Ed. 1.0: Electric Motor-Operated Hand-Held Tools, Transportable Tools and Lawn and Garden Machinery - Safety - Part 2-1: Particular requirements for hand-held drills and impact drills, 07/15/2016

122/29/DTR, IEC/TR 63042-100 Ed.1: UHV AC transmission systems - Part 100: The basic document for UHV AC transmission systems, 06/17/2016

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

AIRCRAFT AND SPACE VEHICLES (TC 20)

ISO 17520:2016, Space environment (natural and artificial) - Cosmic ray and solar energetic particle penetration inward the magnetosphere - Method of determination of the effective vertical cut-off rigidity, $88.00

FERROUS METAL PIPES AND METALLIC FITTINGS (TC 5)

ISO 16132:2016, Ductile iron pipes and fittings - Seal coats for cement mortar linings, $123.00

ROAD VEHICLES (TC 22)

ISO 15500-2:2016, Road vehicles - Compressed natural gas (CNG) fuel system components - Part 2: Performance and general test methods, $88.00

ISO/PAS 19295:2016, Electrically propelled road vehicles - Specification of voltage sub-classes for voltage class B, $88.00

SIZING SYSTEMS AND DESIGNATIONS FOR CLOTHES (TC 133)

ISO 18163:2016, Clothing - Digital fittings - Vocabulary and terminology used for the virtual garment, $123.00

ISO 18831:2016, Clothing - Digital fittings - Attributes of virtual garments, $123.00

SOIL QUALITY (TC 190)

ISO 18187:2016, Soil quality - Contact test for solid samples using the dehydrogenase activity of Arthrobacter globiformis, $149.00

TIMBER STRUCTURES (TC 165)

ISO 19049:2016, Timber structures - Test method - Static load tests for horizontal diaphragms including floors and roofs, $88.00

ISO Technical Reports

CAST IRON AND PIG IRON (TC 25)

ISO/TR 945-3:2016, Microstructure of cast irons - Part 3: Matrix structures, $200.00

ISO/IEC JTC 1, Information Technology

ISO/IEC 10646/Amd2:2016, Information technology - Universal Coded Character Set (UCS) - Amendment 2: Bhaiksuki, Marchen, Tangut and other characters, $265.00

ISO/IEC 30134-2:2016, Information technology - Data centres - Key performance indicators - Part 2: Power usage effectiveness (PUE), $149.00

ISO/IEC 30134-3:2016, Information technology - Data centres - Key performance indicators - Part 3: Renewable energy factor (REF), $88.00

IEC Standards

CABLES, WIRES, WAVEGUIDES, R.F. CONNECTORS, AND ACCESSORIES FOR COMMUNICATION AND SIGNALLING (TC 46)

IEC 61156-9 Ed. 1.0 en:2016, Multicore and symmetrical pair/quad cables for digital communications - Part 9: Cables for channels with transmission characteristics up to 2 GHz - Sectional specification, $97.00

IEC 61156-10 Ed. 1.0 en:2016, Multicore and symmetrical pair/quad cables for digital communications - Part 10: Cables for cords with transmission characteristics up to 2 GHz - Sectional specification, $97.00

ELECTROMECHANICAL COMPONENTS AND MECHANICAL STRUCTURES FOR ELECTRONIC EQUIPMENTS (TC 48)

IEC 62610-5 Ed. 1.0 b:2016, Mechanical structures for electrical and electronic equipment - Thermal management for cabinets in accordance with IEC 60297 and IEC 60917 series - Part 5: Cooling performance evaluation for indoor cabinets, $121.00

FIBRE OPTICS (TC 86)

IEC 62343-3-1 Ed. 2.0 en:2016, Dynamic modules - Part 3-1: Performance specification templates - Dynamic channel equalizers, $48.00

IEC 61300-2-37 Ed. 3.0 b:2016, Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 2-37: Tests - Cable bending for fibre optic closures, $48.00

LAMPS AND RELATED EQUIPMENT (TC 34)

IEC 60598-2-22 Ed. 4.0 b cor.2:2016, Corrigendum 2 - Luminaires - Part 2-22: Particular requirements - Luminaires for emergency lighting, $0.00

SAFETY OF HOUSEHOLD AND SIMILAR ELECTRICAL APPLIANCES (TC 61)

IEC 60335-2-97 Ed. 3.0 b:2016, Household and similar electrical appliances - Safety - Part 2-97: Particular requirements for drives for shutters, awnings, blinds and similar equipment, $157.00

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 issued 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 report proposed technical regulations that may significantly affect trade to the WTO Secretariat in Geneva, Switzerland. In turn, the Secretariat disseminates the information to all WTO Members. The purpose of this requirement is to provide global trading partners with an opportunity to review and comment on the regulations before they become final.

The National Center for Standards and Certification Information (NCSCI) at the National Institute of Standards and Technology (NIST), distributes these proposed foreign technical regulations to U.S. stakeholders via an online service, Notify U.S. Notify U.S. is an e-mail and Web service that allows interested U.S. parties to register, obtain notifications, and read full texts of regulations from countries and for industry sectors of interest to them. To register for Notify U.S., please go to Internet URL: http://www.nist.gov/notifyus/ and click on "Subscribe".

NCSCI is the WTO TBT Inquiry Point for the U.S. and receives all notifications and full texts of regulations to disseminate to U.S. Industry. For further information, please contact: NCSCI, NIST, 100 Bureau Drive, Gaithersburg, MD 20899-2160; Telephone: (301) 975-4040; Fax: (301) 926-1559; E-mail: ncsci@nist.gov or notifyus@nist.gov.

Information Concerning

American National Standards

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 its oversight of programs of its 40+ Technical Committees. Additionally, the INCITS Executive Board exercises international leadership in its role as the US Technical Advisory Group (TAG) to ISO/IEC JTC 1, Information Technology.

The INCITS Executive Board has eleven membership categories that can be viewed at http://www.incits.org/participation/membership-info. Membership in all categories is always welcome. INCITS also seeks to broaden its membership base and looks to recruit new participants in the following under-represented membership categories:

- **Producer – Hardware**

  This category primarily produces hardware products for the ITC marketplace.

- **Producer – Software**

  This category primarily produces software products for the ITC marketplace.

- **Distributor**

  This category is for distributors, resellers or retailers of conformant products in the ITC industry.

- **User**

  This category includes entities that primarily reply on standards in the use of a products/service, as opposed to producing or distributing conformant products/services.

- **Consultants**

  This category is for organizations whose principal activity is in providing consulting services to other organizations.

- **Standards Development Organizations and Consortia**

  o "Minor" an SDO or Consortia that (a) holds no TAG assignments; or (b) holds no SC TAG assignments, but does hold one or more Work Group (WG) or other subsidiary TAG assignments.

- **Academic Institution**

  This category is for organizations that include educational institutions, higher education schools or research programs.

- **Other**

  This category includes all organizations who do not meet the criteria defined in one of the other interest categories.

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, please contact Jennifer Garner at 202-626-5737 or jgarner@itic.org. Visit www.INCITS.org for more information regarding INCITS activities.

Calls for Members

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 ANS consensus bodies and is interested in new members in all membership categories to participate in new work in fiber-optic networks, advanced advertising, 3D television, and other important topics. Of particular interest is membership from the content (program and advertising) provider and user communities.

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

ANSI Accredited Standards Developers

Approval of Reaccreditation

SES – The Society for Standards Professional

The reaccreditation of SES – The Society for Standards Professionals, an ANSI Member and Accredited Standards Developer, has been approved at the direction of ANSI's Executive Standards Council under its recently revised operating procedures for documenting consensus on SES-sponsored American National Standards, effective April 26, 2016. For additional information, please contact: Joseph Bocchiaro, Ph.D., 2615 Black Fir Court, Reston, VA 20191-4207; phone: 703.391.0077; e-mail: jbocchiaro@verizon.net.

SSPC – The Society for Protective Coatings

ANSI's Executive Standards Council has approved the reaccreditation of SSPC – The Society for Protective Coatings, an ANSI Member and Accredited Standards Developer, under its recently revised operating procedures for documenting consensus on SSPC-sponsored American National Standards, effective April 26, 2016. For additional information, please contact: Ms. Aimee Beggs, Standards Development Specialist, SSPC – The Society for Protective Coatings, 800 Trumbull Drive, Pittsburgh, PA 15205; phone: 412.288.6042; e-mail: beggs@sspc.org.

Withdrawal of ASD Accreditation

Associated Builders & Contractors (ABC)

Associated Builders & Contractors (ABC) has requested the formal withdrawal of its accreditation as a developer of American National Standards. ABC currently maintains no American National Standards. This action is taken, effective April 19, 2016. For additional information, please contact: Ms. Betsy Strock, Director of Member Services, Associated Builders & Contractors, 440 First Street, Suite 200, Washington, DC 20001; phone: 202.595.9130; e-mail: Strock@abc.org.

ANSI Accreditation Program for Third Party Product Certification Agencies

Request for Scope Extension

SCS Global Services

Comment Deadline: May 30, 2016

Ms. Diana Kirsanova Phillips
Manager, Quality Assurance
SCS Global Services
2000 Powell Street, Suite 600
Emeryville, CA 94608
Phone: 510.452.9089
Fax: 510.452.8001
E-mail: dkirsanovaphillips@scsglobalservices.com

SCS Global Services, an ANSI-accredited certification body, has requested a scope extension to include the following:

AS4707 and use of the AFS Logo2016

Please send your comments by May 30, 2016 to Reinaldo Balbino Figueiredo, Senior Program Director, Product/Process/Services Accreditation Programs, American National Standards Institute, 1899 L Street, NW, 11th Floor, Washington, DC 20036, Fax: 202-293 9287 or e-mail: rfigueir@ansi.org, or Nikki Jackson, Senior Program Manager, Product Certifier Accreditation, American National Standards Institute, 1899 L Street, NW, 11th Floor, Washington, DC 20036 Fax: 202-293 9287 or e-mail: njackson@ansi.org.

ANSI Accreditation Program for Greenhouse Gas Validation/Verification Bodies

Application for Accreditation

S&A Carbon, LLC

Comment Deadline: May 30, 2016

In accordance with the following ISO standards:

ISO 14065:2013, Greenhouse gases – Requirements for greenhouse gas validation and verification bodies for use in accreditation or other forms of recognition

S&A Carbon, LLC
Kyle Silon
705 SE 55th Ave
Portland, OR 97215
Phone: 503-395-1655
E-mail: kyle.silon@saacarbon.com

On April 5, 2016, the ANSI Accreditation Program for Greenhouse Gas Validation/Verification Bodies received an application for accreditation from S&A Carbon for the following:

Scope:

Verification of assertions related to GHG emissions and removals at the organizational level

02. Manufacturing

03. Power Generation

05. Mining and Mineral Production

08. Oil and gas extraction, production and refining including petrochemicals

Verification of assertions related to GHG emissions reductions and removals at the project level

01. GHG emission reductions from fuel combustion

02. GHG emission reductions from industrial processes (non-combustion, chemical reaction, fugitive and other)

03. Land Use and Forestry

05. Livestock

06. Waste Handling and Disposal

Please send your comments by May 30, 2016 to Ann Howard, Director, Environmental Accreditation Programs, American National Standards Institute, 1899 L Street, NW, 11th Floor, Washington, DC 20036, Fax: 202-293-9287 or e-mail: ahoward@ansi.org.

Reaccreditation

ERM CVS Ltd.

Comment Deadline: May 30, 2016

In accordance with the following ISO standards:

ISO 14065:2013, Greenhouse gases – Requirements for greenhouse gas validation and verification bodies for use in accreditation or other forms of recognition

ERM CVS Ltd.
Amanda Russell
2nd Floor, Exchequer Court, 33 St. Mary Axe,
London, EC3A 8AA, United Kingdom
Phone: 020-3206-5342
E-mail: amanda.russell@ermcvs.com

On April 13, 2016, the ANSI Greenhouse Gas Validation/Verification Body Accreditation Committee voted to approve reaccreditation for ERM CVS Ltd. for the following:

Scope:

Verification of assertions related to GHG emissions and removals at the organizational level

01. General

02. Manufacturing

03. Power Generation

Please send your comments by May 30, 2016 to Ann Howard, Director, Environmental Accreditation Programs, American National Standards Institute, 1899 L Street, NW, 11th Floor, Washington, DC 20036, Fax: 202-293-9287 or e-mail: ahoward@ansi.org.

Scope Extension

KPMG Performance Registrar, Inc.

Comment Deadline: May 30, 2016

In accordance with the following ISO standards:

ISO 14065:2013, Greenhouse gases – Requirements for greenhouse gas validation and verification bodies for use in accreditation or other forms of recognition

KPMG Performance Registrar, Inc.
Chris Ridley-Thomas
777 Dunsmuir Street,
Vancouver, BC V7Y 1K3, Canada
Phone: 604-691-3088
E-mail: cridleythomas@kpmg.ca

On April 13, 2016, the ANSI Accreditation Program for Greenhouse Gas Validation/Verification Bodies approved a request from KPMG Performance Registrar Inc. to extend its scope for the following:

Validation of assertions related to GHG emission reductions & removals at the project level

03. Land Use and Forestry

Please send your comments by May 30, 2016 to Ann Howard, Director, Environmental Accreditation Programs, American National Standards Institute, 1899 L Street, NW, 11th Floor, Washington, DC 20036, Fax: 202-293-9287 or e-mail: ahoward@ansi.org.

International Organization for Standardization (ISO)

Call for U.S. TAG Administrator

ISO/TC 94/SC 4 – Personal equipment for protection against falls

ANSI has been informed that the American Society of Safety Engineers (ASSE), the ANSI-accredited U.S. TAG Administrator for ISO/TC 94/SC 4, wishes to relinquish their role as U.S. TAG Administrator.

ISO/TC 94/SC 4 operates under the following scope:

Development of standards in the field of Personal equipment for protection against falls within the scope of ISO/TC 94:

Standardization of the quality and performance of clothing and personal equipment designed to safeguard persons against hazards other than those concerned with nuclear radiation.

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).

ISO Proposal for a New Field of ISO Technical Activity

Blockchain and Electronic Distributed Ledger Technologies

Comment Deadline: Friday, June 3, 2016.

SA, the ISO member body for Standards Australia, has submitted to ISO a proposal for a new field of ISO technical activity on Blockchain and Electronic Distributed Ledger Technologies, with the following scope statement:

Standardisation of blockchains and distributed ledger technologies to support interoperability and data interchange among users, applications and systems.

Anyone wishing to review the proposal can request a copy by contacting ANSI's ISO Team (isot@ansi.org), with a submission of comments to Steve Cornish (scornish@ansi.org) by close of business on Friday, June 3, 2016.

U.S. Technical Advisory Groups

Transfer of U.S. TAG Administrator

U.S. TAG to ISO TC 282 – Water Re-Use (including TC 282/SC 2 – Water Re-Use in Urban Areas)

Comment Deadline: May 31, 2016

The U.S. Technical Advisory Group (TAG) to ISO TC 282, Water re-use (including TC 282/SC 2, Water re-use in urban areas) has voted to approve the transfer of TAG Administrator responsibilities from the American Society of Plumbing Engineers to the American Water Works Association. The TAG will continue to operate under the Model Operating Procedures for U.S. TAGs to ANSI for ISO Activities as contained in Annex A of the ANSI International Procedures. Please submit any comments on this action by May 31, 2016 to: Mr. Paul J. Olson, P.E., Sr. Manager of Standards, American Water Works Association, 6666 W. Quincy Avenue, Denver, CO 80235; phone: 303.347.6178; e-mail: polson@awwa.org (please copy jthompso@ansi.org). If no comments are received, this action will be formally approved, effective May 31, 2016.

Meeting Notices

R15 Meeting (Robots and Robotic Devices

Meeting #1 of ANSI R15.08, Subcommittee on Industrial Mobile Robot Safety

ANSI R15.08, Subcommittee on Industrial Mobile Robot Safety, will hold its first meeting of 2016 on Thursday, July 14, 2016, 8:30 AM to 5:00 PM EDT, and Friday, July 15, 2016, 8:30 AM to 12:00 Noon, EDT. The meeting will be held in Gaithersburg, MD.

The purpose of the meeting is as follows:

(1) Conduct Administrative business, launching this new subcommittee;

(2) Discuss framework for deciding whether to recommend an all-new Standard (R15.08), or a revision to the existing Standard R15.06 (ANSI/RIA R15.06-2012)

For more information, contact: Carole Franklin at cfranklin@robotics.org.

Meeting Cancelation

May 18th Meeting of the Green Building Initiative – GBI 01-201x Consnesus Body

The meeting of the Green Building Initiative – GBI 01-201x Consensus Body, scheduled for May 18, 2016 from 12:00 Noon to 3:00 PM ET, is canceled.

The upcoming meetings on May 9, 2016 from 1:00 to 4:00 PM ET and May 25, 2016 from 1:00 to 4:00 PM ET will be held as scheduled. The purpose for these teleconferences is for the Consensus Body members to review public comments on the Working Draft of 01-201X document and for questions/comments from the public.

The tentative agenda will be posted on the GBI webpage for the standard at: http://www.thegbi.org/ansi. All meetings are open to the public. Any member of the public or Subcommittee participant who would like to attend the meeting should contact the Secretariat, Maria Woodbury, preferably at least 10 days in advance of the meeting to ensure they are included in relevant communications in preparation for the meeting.

To attend, and for additional information, please contact:

Maria Woodbury
Secretariat for Green Building Initiative
207-807-8666 (direct)
Maria@thegbi.org

Information Concerning

ANSI Accreditation Program for Third Party Product Certification Agencies

Accreditation in accordance with ISO/IEC 17065 and EU Directives

UL Verification Services, Inc.

Comment Deadline: May 30, 2016

Mr. Mark Walker
Regulatory Services Regional Manager
UL Verification Services Inc.
47173 Benicia Street
Fremont, CA 94538
Phone: 919-549-1557
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E-mail: Mark.J.Walker@ul.com
Web: www.ul.com

On April 15, 2016, UL Verification Services, Inc., an ANSI-accredited certification body, was granted accreditation in accordance with ISO/IEC 17065 and the following certification scheme(s) and scopes:

LISTING OF CERTIFICATION SCHEME(S)
- EU Radio Equipment Directive (RED) 2014/53/EU Notified Body Requirements Annex III (Module B) – EU Type Examination

- EU Electromagnetic Compatibility (EMC) Directive 2014/30/EU Notified Body Requirements Annex III (Part A - Module B) – EU Type Examination

Scope of Accreditation

EU Radio Equipment Directive (RED)
- Base Station for Mobile Network
  - Broadcast (including Programme Making and Outside Broadcast)
  - Citizens' Band
  - Cordless telephone
  - Fixed Links
  - Mobile (Cellular)
  - Telephone Handsets
  - Private/Professional Mobile Radio
  - Telemetry/Telecommand
  - Satellite transmitters/receivers
- Short Range Devices
  - Wireless Microphones

EU Electromagnetic Compatibility (EMC) Directive
Air Traffic Management
Alarm Systems
Automotive Systems
AV Equipment
Domestic Appliances
Industrial Equipment
Information Technology Equipment
Laboratory and Test Equipment
Maritime Equipment
Military Equipment
Railway Systems
Transmission Systems

Please send your comments by May 30, 2016 to Reinaldo Balbino Figueiredo, Senior Program Director, Product/Process/Services Accreditation Programs, American National Standards Institute, 1899 L Street, NW, 11th Floor, Washington, DC 20036, Fax: 202-293 9287 or e-mail: rfigueir@ansi.org, or Nikki Jackson, Senior Program Manager, Product Certifier Accreditation, American National Standards Institute, 1899 L Street, NW, 11th Floor, Washington, DC 20036, Fax: 202-293 9287 or e-mail: njackson@ansi.org.

Information Concerning

International Organization for Standardization (ISO)

Call for International (ISO) Secretariat
ISO/TC 213 – *Dimensional and Geometrical Product Specifications and Verification*
Comment Deadline: Friday, May 13, 2016

ANSI has been informed by the ISO Technical Management Board (ISO/TMB) that Denmark (DS), the ISO delegated Secretariat of ISO/TC 213, wishes to relinquish the role of the Secretariat.

ISO/TC 213 operates under the following scope:

> *Standardization in the field of geometrical product specifications (GPS), i.e., macro- and microgeometry specifications covering dimensional and geometrical tolerancing, surface properties and the related verification principles, measuring equipment and calibration requirements including the uncertainty of dimensional and geometrical measurement. The standardization includes the basic layout and explanation of drawing indications (symbols).*
>
> *Excluded:*
>
> - *the definition of the specific proportions and dimensions of drawing indications (symbols) and their execution.*

ANSI is seeking organizations in the U.S. that may be interested in assuming the role of the U.S. delegated Secretariat for ISO/TC 213. 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.

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

Information Concerning

International Organization for Standardization (ISO)

Call for International (ISO) Secretariat ISO/IEC JTC 1/SC 22 – Programming Languages, Their Environments and System Software Interfaces

Currently, the U.S. holds a leadership position as secretariat of ISO/IEC JTC 1/SC 22 – *Programming languages, their environments and system software interfaces*. The InterNational Committee for Information Technology Standards (INCITS) Executive Board has advised ANSI to relinquish its role as secretariat for this committee.

ISO/IEC JTC 1/SC 22 operates under the following scope:

Development of standards in the field of Programming languages, their environments and system software interfaces] within the scope of ISO/IEC JTC 1:

> *Standardization in the field of information technology.*

ANSI is seeking organizations in the U.S. that may be interested in assuming the role of delegated secretariat for ISO/IEC JTC 1/SC 22. Alternatively, ANSI may be assigned the responsibility for administering an ISO secretariat. Any request that ANSI accepts to 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 US 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/IEC JTC 1/SC 22 secretariat, or if there is insufficient support for ANSI to assume direct administration of this activity, 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 at isot@ansi.org.

Information Concerning

ANSI Accredited Standards Developers

Health Level 7 (HL7)

Withdrawal of HL7 Technical Reports

Health Level Seven (HL7) has determined that they will no longer submit Technical Reports to be registered with ANSI, and is hereby withdrawing the following Technical Reports. Please direct inquiries to Karen Van Hentenryck, (734) 677-7777, Karenvan@HL7.org.

HL7 V2.5.1 IG OO ELINCS, R1-2008
HL7 EHR VRFP, R1-2012
HL7 V3DAM CDSvMR, R1-2012
HL7 V3 DAM IZ, R1-2012
HL7 EHRS PHFP R1-2012
HL7 V3DAM CARD, R2-2012
HL7 EHRS PHFP, R1.1-2012
HL7 V3DAM OO DIETORD R1-2012
HL7 V3DAM BRIDG R1-2012
HL7 V2IG CG LOINCGENVAR, R2-2013
HL7 V3 DAM ANESTH R1-2013
HL7 AS CDATEMPGD, R1-2013
HL7 V3 DIM EMS R1-2013
HL7 V3 DAM EMS R1-2013
HL V3 DAM PRULCERPREV, R1-2013
HL7 V2IG BMIPRT, R1-2013
HL7 CDAR2IG PATAUTHDOC, R1-2013
HL7 V3 DEEDS R1-2013
HL7 TEMPLREGREQAN, R1-2014
HL V3DAM ALLERGY, R1
HL7 V3DAM TRAUMA, R1
HL7 V2IG CYTOGEN, R1
HL7 EHRS ERXFP, R1
HL7 V3 DAM MDD, R1
HL7 DAM TRAUMA, R1
HL7 V3 DAM SCHIZ, R1
V3DAM DCM4MEDDEV R1-2015
HL7 EHRS PHFP, R2-2015
HL7 DAM SPECIMEN, R1-2015

Information Concerning

ANSI Accreditation Program for Third Party Product Certification Agencies

Accreditation in accordance with ISO/IEC 17065 and EU Directives

Curtis-Strauss, LLC

Comment Deadline: May 30, 2016

Mr. Tadas Stukas
Quality & HSE Manager
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Web: www.curtis-straus.com

On April 15, 2016, Curtis-Straus, LLC, an ANSI-accredited certification body, was granted accreditation in accordance with ISO/IEC 17065 and the following certification scheme(s) and scopes:

LISTING OF CERTIFICATION SCHEME(S)

EU Radio Equipment Directive (RED) 2014/53/EU Notified Body Requirements Annex III (Module B) – EU Type Examination

EU Electromagnetic Compatibility (EMC) Directive 2014/30/EU Notified Body Requirements Annex III (Part A - Module B) – EU Type Examination

SCOPE OF ACCREDITATION

EU Radio Equipment Directive (RED)
Active medical implants and associated peripherals
Aeronautical Equipment Alarms
Assistive Listening Devices
Base Station for Mobile Network
Broadcasting (including Programme making and Outside Broadcast)
Citizen's Band
Cordless telephone
DECT
Detection of avalanche victims

- Equipment using Ultra-Wideband Technology
  - Fixed Wireless Access
  - Fixed links
  - Handsets
  - Inductive applications
  - Industrial, Scientific and Medical within the scope of the Directive
  - ISDN (ISDN Basic Rate, ISDN Primary Rate, ISDN U, Broadband ISDN ATM)
  - Level probing radar
  - Low-power FM transmitters
  - Maritime (for non SOLAS vessels only)
  - Metering Devices
  - Mobile Satellite Service Earth Stations
- Mobile terminals
  - Mobile (cellular) Telephone
  - Model control
  - MSS Earth Stations
  - Non-specific short range devices
  - Paging (Radio Messaging)
  - PMR 446 Digital
  - PMR 446 Analog
  - Private/Professional Mobile Radio
  - Public Protection and Disaster Relief (PPDR)
- Radar
  - Radio determination devices
  - Radio equipment which can only transmit under the control of a licensed non-public mobile radio
  - Radio equipment which can only transmit under the control of a licensed public mobile radio network
  - Radio Frequency Identification (RFID)
  - Radio local Area Network
  - Receive-only radio equipment
  - Road transport and traffic telematics
  - Satellite earth station (Fixed mobile)
  - Short Range Device
  - Social alarms
  - Tank level probing radar
  - Telemetry/Telecommand
  - Transport and traffic telematics
  - TTE for fixed (wired) network (all types)
  - Wideband Data
  - Transmission Systems
- Wireless Access Systems including Radio Local Area Networks (WAS/RLANs)
  - Wireless audio and multimedia streaming applications
  - WLAN

EU Electromagnetic Compatibility (EMC) Directive

- Air Traffic Management
  - Alarm Systems
  - Automotive Systems
  - AV Equipment
  - Domestic Appliances
  - Industrial Equipment
  - Information Technology Equipment
- Laboratory and Test Equipment
- Maritime Equipment
- Military Equipment

Railway Systems
Transmission Systems

Please send your comments by May 30, 2016 to Reinaldo Balbino Figueiredo, Senior Program Director, Product/Process/Services Accreditation Programs, American National Standards Institute, 1899 L Street, NW, 11th Floor, Washington, DC 20036, Fax: 202-293 9287 or e-mail: rfigueir@ansi.org, or Nikki Jackson, Senior Program Manager, Product Certifier Accreditation, American National Standards Institute, 1899 L Street, NW, 11th Floor, Washington, DC 20036, Fax: 202-293 9287 or e-mail: njackson@ansi.org.

BSR/ASHRAE Standard 90.4P

4th ISC Public Review Draft

Energy Standard for Data Centers

Fourth ISC Public Review (April 2016)
(Independent Substantive Chance Draft for Review)

This draft has been recommended for public review by the responsible project committee. To submit a comment on this proposed standard, go to the ASHRAE website at www.ashrae.org/standards-research--technology/public-review-drafts and access the online comment database. The draft is subject to modification until it is approved for publication by the Board of Directors and ANSI. Until this time, the current edition of the standard (as modified by any published addenda on the ASHRAE website) remains in effect. The current edition of any standard may be purchased from the ASHRAE Online Store at www.ashrae.org/bookstore or by calling 404-636-8400 or 1-800-727-4723 (for orders in the U.S. or Canada). The appearance of any technical data or editorial material in this public review document does not constitute endorsement, warranty, or guaranty by ASHRAE of any product, service, process, procedure, or design, and ASHARE expressly disclaims such.

(This foreword is not part of this standard. It is merely informative and does not contain requirements necessary for conformance to the standard. It has not been processed according to the ANSI requirements for a standard and may contain material that has not been subject to public review or a consensus process. Unresolved objectors on informative material are not offered the right to appeal at ASHRAE or ANSI.)

FOREWORD

We would like to thank all of the people who registered comments on the third Independent Substantive Change Public Review draft. As a result of the comments the following changes were made:

- Revised the definition of Incoming electrical service point
- Deleted exception 2 to 4.2.1.2.
- Corrected equations in 6.2.1.1 and 6.2.1.2.
- Deleted 3B Coast from Tables 6.2.1.1 and 6.2.1.2.
- Added section of Verification of Equipment Efficiencies to Section 6 and 8.
- Corrected Equations in Section 11.2.1.
- Revised Section 11.3, Shared Systems.
- Updated references in Section 12 for 90.1 and Thermal Guidelines for Data Processing Environments.

Please be advised that the committee intends to put Standard 90.4, when published, on continuous maintenance to allow the committee to make changes in real time with the IT industry.

Ron Jarnagin, Chairman Standard 90.4 Committee

(Note to Reviewers: This public review draft makes proposed independent substantive changes to the previous public review draft. These changes are indicated in the text by underlining (for additions) and ~~strikethrough~~ (for deletions) except where the reviewer instructions specifically describe some other means of showing the changes. Only these changes to the previous draft are open for review and comment at this time. Additional material is provided for context only and is not open for comment except as it relates to the proposed substantive changes. Apart from acknowledging receipt of each comment, communication with commenters by the authoring project committee is optional but may be undertaken to clarify a comment's intent or to invite further participation in the standard's development process.]

Revise definition as shown:

Incoming electrical service point: ~~The *terminal* at which the Public Utility hands off the incoming power to the Owner, as defined by the National Electrical Code (NFPA 70).~~ The point of connection between the facilities of the serving utility and the premises wiring, also known as the point of demarcation between where the serving utility ends and the premises wiring begins, as defined by the National Electrical Code (NFPA 70)."

Delete Exception 2 to Section 4.2.1.2

4.2.1.2 Additions to Existing Data Centers. Additions to existing *data center* shall comply with the provisions of Sections 5, 7, 9, and 10 and one of the following:

a. Sections 6 and 8 or

b. Section 11.

Exception:

1. Additions that result in less than a 10% increase in area or less than a 10% increase in connected load (*kW*) are excluded.
2. ~~When an addition to an existing *data center* is unable to demonstrate compliance the facility shall be allowed to demonstrate through trade-offs via modification to one or more of the components of the existing *data center*.~~

Revises Equations in 6.2.1.1 and 6.2.1.2 as shown:

Equation 6.2.1. 1:

Pump Peak Power (*kW*) = the sum of all pump power used to distribute fluids for cooling and heat rejection. Actual motor input power shall be used to derive the Pump Power calculation as in the example below, including direct and indirect coolers that use pumps.

Pump Peak Power (*kW*) = Σ [Pump brake power ~~x 0.746~~ / (pump motor *efficiency* at design conditions x drive *efficiency* x variable speed drive *efficiency*)]

Heat Rejection Peak Fan Power (*kW*) = the sum of all heat rejection fan power (eg. *outdoor* cooling towers, fluid coolers, condensing units) at or above the design ambient *outdoor* condition shown in table 6.2.1.1. Actual heat rejection fan motor power shall be used in the Heat Rejection Fan Power calculation. Credit may be taken for operating available redundant *equipment*, if calculated using partially loaded efficiencies.

Heat Rejection Peak Fan Power (*kW*) = Σ [Heat rejection fan brake power/(heat rejection fan motor *efficiency* at design conditions x drive *efficiency* x variable speed drive *efficiency*)]

Exception: Heat rejection power that is included in the Cooling Power.

AHU Fan Design Power (*kW*) = the sum of all fan power used to distribute air for cooling and *ventilation*. Brake fan power shall be used in the Fan Power calculation. For data center designs that provide cooling for *UPS* and *transformers*, that AHU fan design power must also be included in this term. Credit may be taken for operating available redundant fans, if calculated using partially loaded efficiencies. To take this credit instructions must be included in the approved design documents.

AHU Fan Design Power (*kW*) = Σ [AHU *Fan brake ~~horse~~power* ~~x 0.746~~ / (AHU fan motor *efficiency* at *design conditions* x drive efficiency x variable speed drive *efficiency*)

Revise Section 6.2.1.2 As Shown:

Pump Energy (*kW*h) = Σ [Pump brake ~~horse~~power ~~x 0.746~~ / (pump motor *efficiency x* drive *efficiency x* variable speed drive *efficiency*)] x hours of annual operation

Heat Rejection Fan Energy *kW*h = Σ [Heat rejection *Fan brake ~~horse~~power* ~~x 0.746~~ / (heat rejection fan motor efficiency *x drive efficiency x variable speed drive efficiency*)] x hours of annual operation

AHU Fan Energy (*kW*h) = Σ[AHU *Fan brake power* ~~x 0.746~~ / (AHU fan motor *efficiency x* drive *efficiency x* variable speed drive *efficiency*)] x hours of annual operation

Add Climate Zones OA and OB and delete 3B Coast from Tables 6.2.1.1 and 6.2.1.2 as shown:

Table 6.2.1.1 Maximum *Design Mechanical Load Component*

Climate Zones as listed in ASHRAE Standard 169	Dry Bulb ASHRAE ^{0}F (^{0}C) (use for compliance)	WB Mean Coincident DB (use for compliance)	Design *MLC* at 100% and at 50% IT Load
0A	96.9 (36.1)	82.5/90.2	.48
0B	109.2 (42.9)	86.6/95	.52
~~3B, coast~~	~~83.7 (28.7)~~	~~76.1/96.0~~	~~0.44~~

Table 6.2.1.2 Maximum Annualized *Mechanical Load Component* (*MLC*)

Climate Zones as listed in ASHRAE Standard 169	**HVAC maximum annualized *MLC* at 100% and at 50% *ITE* load:**
0A	.37
0B	.40
~~3B Coast~~	~~0.32~~

Add the following to Section 6:

6.3.1 Equipment Not Listed. Equipment not listed in ANSI/ASHRAE/IES 90.1 may be used.

6.3.2 Verification of Equipment Efficiencies. Equipment efficiency information supplied by manufacturers shall be verified by one of the following:
a. Equipment covered under EPACT shall comply with U.S. Department of Energy certification requirements.
b. If a certification program exists for a piece of equipment, and it includes provisions for verification and challenge of equipment efficiency ratings, then the product shall be listed in the certification program.
c. If a certification program exists for a piece of equipment, and it includes provisions for verification and challenge of equipment efficiency ratings, but the product is not listed in the existing certification program, the ratings shall be verified by an independent laboratory test report.
d. If no certification program exists for a piece of equipment, the equipment efficiency ratings shall be supported by data furnished by the manufacturer.
e. Where components such as indoor or outdoor coils from different manufacturers are used, the system designer shall verify combined efficiencies.

Revise Section 8.3.1.9 as shown:

8.3.1.9 Derivation of Electrical Component Efficiencies. Compliance shall be demonstrated by the following:

a. Rated *Equipment* –The *efficiency* values used in the calculations, or the *loss* numbers used in equivalent *efficiency* calculations, shall be the *manufacturer*'s numbers as derived from the standardized testing, and shall be based on the *design ITE load*.

b. Unrated *Equipment* – Where no testing and rating standards exist for an electrical component the *efficiency* values shall be ~~as published by, or as stated in writing by the component *manufacturer*~~. verified by one of the following:
   i. *Equipment* covered under EPACT shall comply with U.S. Department of Energy certification requirements.
   ii. If a certification program exists for a piece of *equipment*, and it includes provisions for verification and challenge of *equipment efficiency* ratings, then the product shall be listed in the certification program.
   iii. If a certification program exists for a piece of *equipment*, and it includes provisions for verification and challenge of *equipment efficiency* ratings, but the product is not listed in the existing certification program, the ratings shall be verified by an independent laboratory test report.
   iv. If no certification program exists for a piece of *equipment*, the *equipment efficiency* ratings shall be supported by data furnished by the *manufacturer*.

Revise Section 11 as shown:

11.1 General. Provisions of this Standard require the user to demonstrate compliance with provisions of Sections 5 through Section ~~9~~10.

11.2.1 Compliance. Compliance with Section 11 shall be ~~is~~ demonstrated ~~if~~by meetig both of the following conditions:.
a. all requirements of Sections 5, 7, 9, and 10 ~~are met~~;and
b. The sum of the calculated values of ~~the proposed~~ Design MLC and Design ELC ~~values summed~~ shall be equal to or less than the Maximum Overall Systems Design Value. (The sum of the *Design MLC* value and the *Design ELC* value create a ~~Design Overall *systems*~~ Overall Systems Design Value.)

Informative Note: See below for examples of demonstrating compliance with the Trade-Off Method.

For a particular design in Climate Zone 1A with a single feed *UPS* at 100% load, the Maximum MLC= 0.460 from Table 6.2.1.1 and the Maximum ELC =~~.116~~ 0.297 from Table 8.2.1.1. Adding the two values together provides a Maximum Overall Systems Design value of ~~0.576~~0.757.

Max MLC Value 0.460
+Max ELC Value + 0.297
=~~Data Center Target Value~~ Maximum Overall Systems Value = 0.757

If the electrical system design produces a Design ELC of 0.327~~14~~ which exceeds the Maximum ELC Value, a more efficient mechanical system can be used to off-set this. If the mechanical system has a Design MLC of 0.390, then the Overall Systems Design Value would be less than the Maximum Overall Systems Design Value and would demonstrate compliance with the standard.

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Design MLC Value 0.390
+Design ELC Value +~~0.210~~0.327
=~~Data Center Proposed~~ Overall Systems Design Value =~~0.600~~0.717

11.3 Use of Shared Systems. When existing or proposed mechanical and/or electrical systems are intended to be routinely support the data center and other spaces (spaces that ~~may~~ do or do ~~may~~ not meet the definition of a data center), the data center or data center addition may document its compliance using the annualized energy performance method (as described in Chapters 6.2.1.2 and 8.3). The shared systems' future total hourly loads must be determined for a typical year (using TMY3 weather data) to determine what fraction of the total shared systems' capacity (for each hour of the typical year) will be utilized by the data center addition. The total shared system input energy is multiplied by the data center addition's fraction of total system capacity, for each hour, to determine the data center addition's input energy used to show compliance. ~~In the case where other spaces sharing systems with the data center are within the scope of~~ When spaces covered by ANSI/ASHRAE/IES Standard 90.1 jointly share *systems* with *data centers*, compliance can be demonstrated through the use of the modeling rules in the Energy Cost Budget Method described in Chapter 11 of Standard 90.1. ~~may be followed to determine (for compliance's sake) the hour-by-hour fraction of the shared system's capacity that is utilized by the non-data center spaces~~.

Revise Section 12. Normative References as shown:

ANSI/ASHRAE/IES Standard 90.1-~~2013~~ 2016 Energy Standard for Buildings Except Low-Rise Residential Buildings

Thermal Guidelines for Data Processing Environments (~~3rd~~ 4th edition, ~~2012~~ 2015)

42 USC 6831, et seq., Public Law 102-486 Energy Policy Act of 1992

NSF/ANSI - 49
Biosafety Cabinetry: Design, Construction, Performance, and Field Certification

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-
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A.6 Personnel, product, and cross-contamination protection (biological) tests

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A.6.3 Personnel protection test

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A.6.3.2 Acceptance

The number of *B. subtilis* CFU recovered from the 6 AGI-30 samplers shall not exceed 10 CFU per test. Total slit-type air sampler plate counts shall not exceed five *B. subtilis* CFU for a 30 min sampling period. Three replicate tests shall be performed. The control plate shall be positive. A plate is "positive" when it contains greater than 300 CFU of *B. subtilis*.

When the results of a test exceed the maximum allowed recovery for *B. subtilis*, a confirming test may be completed with five replicate tests performed instead of three replicate tests. Results of the confirmation test shall determine the pass/fail status for each personnel protection test.

A.6.4 Product protection test

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A.6.4.2 Acceptance

The number of *B. subtilis* CFU on agar settling plates shall not exceed 5 CFU for each test. Three replicates shall be performed. The control plates shall be positive. A plate is "positive" when it contains more than 300 CFU of *B. subtilis*.

When the results of a test exceed the maximum allowed recovery for *B. subtilis*, a confirming test may be completed with five replicate tests performed instead of three replicate tests. Results of the confirmation test shall determine the pass/fail status for each product protection test.

A.6.5 Cross-contamination test

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A.6.5.2 Acceptance

Some agar plates, from the challenge sidewall to 14 in (36 cm) from the sidewall, will recover *B. subtilis* CFU and shall be used as positive controls. The total number of CFU recovered on agar plates with centers greater than 14 in (36 cm) shall not exceed 2 CFU per test. Three replicates each shall be performed from the left and right sides of the cabinet.

When the results of a test exceed the maximum allowed recovery for *B. subtilis*, a confirming test may be completed with five replicate tests performed instead of three replicate tests from both the left and right sides. Results of the confirmation test shall determine the pass/fail status for the cross contamination test.

***Rationale**: Testing until you pass is not allowed under any NSF program. The unusual circumstances of Standard 49 biological testing make this needed policy problematic within this program. When a failure has occurred, it is not until 48 hours later that results are known. Investigation of the reasons for a failure is often inconclusive. While it is often the case that the failure was the result of inadequate BSC design, other factors could have also contributed to or completely caused the failure. These include plate handling, testing mistakes, problems with the challenge, and many other factors that are not the fault of the BSC manufacturer. Because of the use of the term "may", the confirmation test is not required. When the manufacturer believes the failure was not the result of cabinet design, giving them the option of a more strenuous (5 replicates instead of 3) confirmation test allows the test agency to repeat the test without something being changed in cabinet design. The additional replicates will demonstrate compliance with a high degree of comfort should the confirmation test pass.*

NSF/ANSI 50 – 2015

Equipment for Swimming Pools, Spas, Hot Tubs and Other Recreational Water Facilities

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H.3 Ozone production test

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H.3.2.2 Gas preparation equipment

The feed gas for a packaged ozone generator shall be the output of the packaged gas preparation equipment. ~~The feed gas dew point and oxygen concentration shall be measured and reported.~~ The input gas to the gas preparation equipment shall be the ambient air at the laboratory.

~~H.3.2.3 Corona discharge ozone generators~~

~~The feed gas shall be 93 ± 2% oxygen by weight with a maximum dew point of -112 °F (-80 °C), or air with a dew point of -80 °F (-62 °C) or less.~~

> ~~NOTE – Ambient oxygen concentration decreases as the elevation above sea level increases. The performance of an ozone generator that uses air as the feed gas will decrease with decreasing oxygen concentration in the feed gas. The manufacturer shall provide information about the performance of the ozone generator with feed gas oxygen concentrations different from test conditions in this Standard.~~

~~H.3.2.4 UV ozone generators~~

~~UV~~ Ozone generators shall be tested under ambient air conditions at the laboratory. All test conditions (including ambient temperature, relative humidity, and elevation above sea level ~~ambient oxygen concentration~~) shall be documented.

> NOTE – Ozone production from a UV ozone generator will change as operating conditions vary from test conditions. Ozone production will decrease with higher ambient temperature, higher relative humidity, and lower oxygen concentration.

H.3.3 Apparatus and analytical devices

The test apparatus shall be set according to figure A1.

H.3.4 Ozone production procedure

H.3.4.1 An ozone generator shall be set up and conditioned according to the manufacturer's specifications. Prior to testing the ozone generator shall be purged using the feed gas at the design flow

rate for a minimum of 2 h, or as specified by the manufacturer~~, or until the specified dew point and oxygen concentration are achieved~~. The generator cell pressure range shall be measured and reported.

1) ~~The generator cell pressure operation range shall be specified by the manufacturer.~~ The generator cell pressure shall be reported.

Tracking #50i102r2 Skimmers **Revision to NSF/ANSI 50-2015**
 Draft 2, Issue 102 (April 2016)

NSF/ANSI 50
Equipment for Swimming Pools, Spas, Hot Tubs and other Recreational Water Facilities
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2 Definitions
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2.x ozone concentration: The amount of ozone in the gas stream leaving the generator. Concentration may be reported by any of the following: weight percent, g/m^3, volume percent, ppm by weight, ppm by volume, and the milligrams of ozone per liter of gas produced. Under this standard, concentration will be reported by weight percent and g/m^3.

2.x coolant flow rate: The flow rate of the coolant used to remove heat from the reaction chamber(s) of the ozone generator.

NOTE – The critical factor for heat removal is the mass flow rate (kg/hr) of the coolant. The mass flow rate of the coolant is equal to the volumetric flow rate (m^3/hr, ft^3/hr) of the coolant times the density (Kg/m^3, lb/ft^3) of the coolant.

For liquid cooled systems the density of the coolant (liquid) is virtually independent of temperature and pressure and can be specified as the volumetric flow rate of the cooling liquid (m^3/hr, ft^3/hr, gpm, Lpm.)

For gas cooled systems the density (and therefore the mass flow rate) of the coolant gas is dependent on temperature and pressure. For this standard, the pressure and temperature ranges are small. The volumetric flow rate (m^3/hr, ft^3/hr, lpm, ft^3/min, CFM) of the coolant shall be specified. As a practical approximation of the mass flow rate.

2.x dew point (dew-point temperature): The temperature saturation (assuming air pressure and moisture content are constant). For Corona Discharge ozone generation **greater than 2 grams per hour** the minimum dew point is –60 ºC (–76 ºF). For systems less than 2 grams per hour, the minimum dew point is -40 ºC (-40ºF).

NOTE - For systems less than 2 grams per hour, the amount of nitric acid produced is negligible.

2.x feed gas: The gas (ambient air, dry air or oxygen) delivered to the inlet side of the ozone generator. The required quality and feed gas flow rate is determined by the manufacturer.

2.x feed gas flow rate: The flow rate of the feed gas through the reaction chamber(s) of the ozone generator.

NOTE – The critical factor for the reaction is the mass flow rate (kg/hr) of the feed gas. The mass flow rate is the volumetric flow rate (m^3/hr, ft^3/hr) of the feed gas times the density (kg/m^3, lb/ft^3) of the feed gas.

The density of a gas is dependent on the temperature and pressure. Because of the continuous variability of the parameters affecting density and volumetric flow rate in an ozone generator, there is no practical method to determine the true mass flow rate of the feed gas. For this Standard, due to the small range of pressure and temperature, the volumetric flow rate is specified as an approximation of the mass flow rate.

For pressurized systems, the manufacturer specifies the volumetric flow rate and the gauge pressure of the feed gas at the inlet to the ozone generator.

2.x ozone generator cell pressure: The gauge pressure of the feed gas in the reaction chamber(s).

2.78 ozone generator: A device ~~that causes ozone to be formed.~~ that when supplied with an oxygen containing gas and power, produces an ozone-containing gas. Said ozone generator includes any controls, transformers and frequency generators required to convert a standard electrical supply (as specified) to the electrical characteristics required to operate the generator cell properly.

2.x packaged ozone system: An ozone generator packaged with a gas preparation system, typically on a single skid or otherwise a single unit.

2.x ozone output rate: The mass of ozone produced by an ozone generator in weight per unit time (g/hr, lb/hr). Output rate is the mass of ozone per volume of product gas (g/m^3, lb/ft^3) multiplied by the feed gas flow rate (m^3/hr, lpm, ft^3/hr, CFM).

2.x relative humidity: The ratio, in percent, of the actual amount of water vapor in a body of air in relation to the maximum amount that the body can hold at a given temperature. Relative humidity varies with temperature for a given amount of water vapor.

2.x ozone short cycle or batch system: Systems that are not designed to operate for more than 5 min at a time.

Tracking Number 305i28r1
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Revision to NSF/ANSI 305 – 2014
Issue 28, Draft 1 (April 2016)

NSF/ANSI International Standard
for Organic Personal Care Products —

Personal Care Products Containing Organic Ingredients

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Annex A[1]

(informative)

Key elements of a certification program for organic personal care products

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A.4 Suggested requirements for certifying organizations

A certifying organization offering a certification program for organic personal care should comply with the requirements of ISO/IEC ~~Guide 65 General requirements for bodies operating product certification systems~~ 17065:2012 Conformity assessment -- Requirements for bodies certifying products, processes and services

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[1] The information contained in this Annex is not part of this American National Standard (ANS) and has not been processed in accordance with ANSI's requirements for an ANS. As such, this Annex may contain material that has not been subjected to public review or a consensus process. In addition, it does not contain requirements necessary for conformance to the Standard.

Default Ballot

ANSI/TIA-568-C.2-1, Balanced Twisted-Pair Telecommunications Cabling and Components Standard, Addendum 1: Specifications for 100 Ohm Category 8 Cabling

This default ballot is a result of the comment resolution held regarding ANSI/TIA-PN-568-C.2-1 and is limited to 3 specific technical changes, and one rejected technical comment listed below. Other comments submitted to the first default ballot regarding ANSI/TIA-PN-568-C.2-1 were resolved editorially. The results of this ballot consisted of 20 “approve” votes, 4 “disapprove with comments” votes, and 9 “abstain” votes. This default ballot is constructed in a table format with the submitter (source) of each ANSI/TIA-PN-568-C.2-1 ballot comment included in the “ID” column for each row. Each comment within this default ballot corresponds to the location within the ANSI/TIA-PN-568-C.2-1 ballot document (page, clause, line). The three technical changes have been shown on this default ballot, in the form of the text of the changed tables with the changes marked. The following is copied from the TR-42 Operational Guide regarding ballot comment and resolution

11. BALLOT COMMENT AND RESOLUTION Ballot comment resolution is typically constructed by the editor of the document in cooperation with the chair. “Technical comments” and “technical ‘no’ with comments” submitted on the document shall be included in ballot resolution. Comments submitted as “technical” shall not be re-classified as “editorial” and shall be addressed in committee. Editorial comments submitted on the document may be considered technical by the editor or chair and shall be included in the ballot resolution. Purely editorial comments will be posted for committee consideration and may be accepted as a grouping of comments (thereby reducing the time of the committee).

11.1 Acceptable resolutions There are 4 acceptable resolutions to ballot comments: These resolutions shall be recorded for each comment. Consensus (see current TIA Engineering Manual) is the goal of comment resolution. • Reject: No consensus to support the proposed change. • Withdrawn: The commenter withdraws their proposal. • Accept: The proposed change shall be implemented in the document exactly as proposed. • Accept with Edits: The proposed change, along with the groups agreed upon and recorded changes shall be implemented in the document. NOTES 1 – Accommodated resolutions are typically recorded as “Accepted with edits” and refer to the comment (those that are typically “accept” or accept with edits”) that accommodated the comment. 2 – Specific efforts to resolve comments shall be documented and noted within the ballot comment resolution and meeting report.

11.2 Comment submittal Comments are to be submitted on the TR-42 Ballot Comment Form (found in admin folder of TR-42MAIN FTP site). The comments are to be specific and include proposed text for review and consideration. Comments that do not provide specific text for review and consideration are subject to rejection. Providing specific editable text ensures that the comment resolution process results in documented closure on each issue. Where the committee rejects comments, it shall be noted, in general, within the resolution document and meeting report the attempts made to resolve the comment. Examples of unacceptable proposed comment resolutions include:

- Add a new annex on XXX” (no text provided)

- Add a new clause on YYY" (no text provided) 2

- Add text to harmonize with ZZZ" (no text provided) • Assign to an individual, task group, or committee to develop text

11.3 Guidelines for reconsidering comments A comment that has been resolved may be re-opened for consideration if a motion from the floor is made to, "Reconsider". A motion to re-consider can only be made by a member who voted with the prevailing side. It requires a second and greater than 50% consensus support.

4/11/16 comments for PN-568-C.2-1, Draft 3.2, Balanced Twisted-Pair Telecommunications Cabling and Components Standard, Addendum 1: Specifications for 100 Ohm Category 8 Cabling, to be published as ANSI/TIA-568-C.2-1, 4th default ballot

E: editorial, T: technical, TN: technical no vote issue
ID: Company with comment # (do not automate comment #)

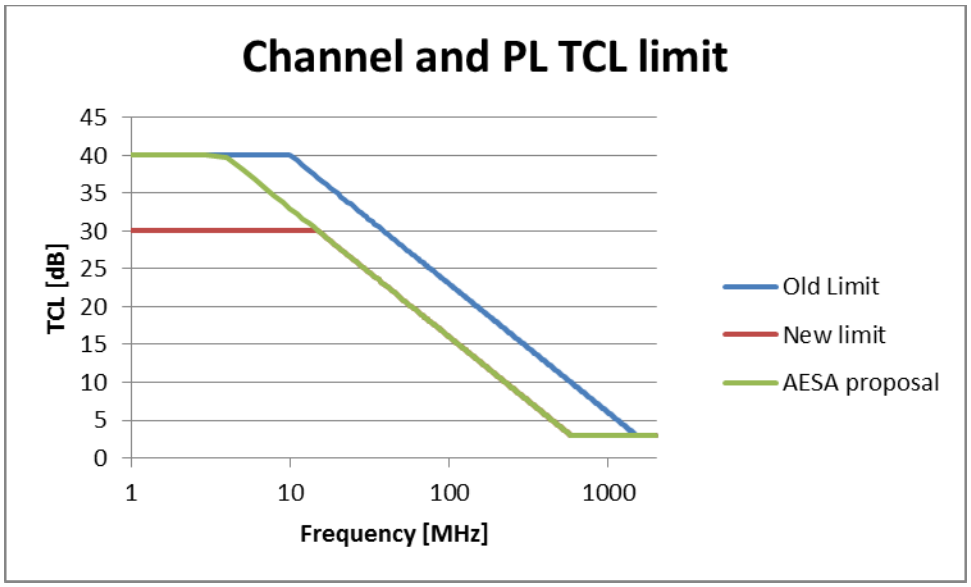
Please do not re-size table

Page	Line	Clause	E/T/TN	ID	Comment (rationale)	Proposed change (specific; add, delete. From-to)	Resolution
31	1089	6.2.15	TN	AESA_01	Changing the low frequency plateau from 40dB to 30dB make no sense. It indicates weak test equipment only as changing the limits should have no influence on the accuracy.	In footnote 1, change 30dB back to 40dB	Rejected – no consensus for change.
31	1098	6.2.17	TN	AESA_02	Adding a low frequency plateau makes no sense as this indicates weak test equipment as changing limits should not have an influence on accuracy.	Delete footnote which add a low frequency plateau of 30dB.	Rejected – no consensus for change.
46	1306	6.3.15	TN	AESA_03	Changing the low frequency plateau from 40dB to 30dB make no sense. It indicates weak test equipment only as changing the limits should have no influence on the accuracy.	In footnote 1, change 30dB back to 40dB	Rejected – no consensus for change.
47	1315	6.3.17	TN	AESA_04	Adding a low frequency plateau makes no sense as this indicates weak test equipment as changing limits should not have an influence on accuracy.	Delete footnote which add a low frequency plateau of 30dB.	Rejected – no consensus for change.

General explanation:

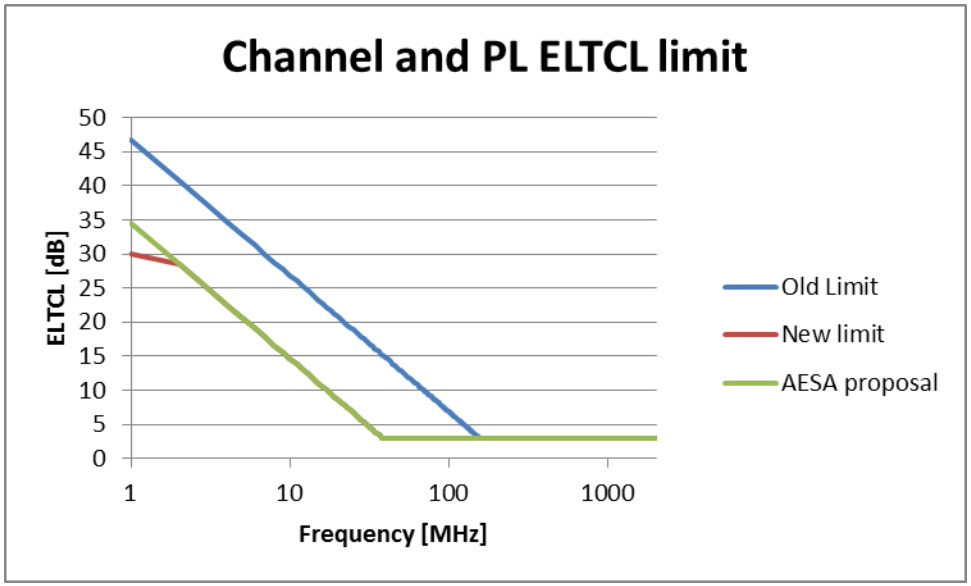
The accepted changes during the last meeting affect the DUT's but also the test equipment. To achieve 1dB accuracy on the limit line the noise floor of the test equipment has to be 20dB better than the limit line. By adjusting the limit line also weaker test equipment is allowed. Additionally adding a low frequency plateau will not affect the DUT's but mainly the test equipment again. It makes no sense to further lower the requirements for test equipment by 10dB more at low frequencies.

Explanation to AESA_01 and AESA_03:



Affected frequency range by the proposed change: 1MHz to 15MHz

Explanation to AESA_02 and AESA_04:



Affected frequency range by the proposed change: 1MHz to 2MHz

BSR/UL 1703, Standard for Safety for Flat-Plate Photovoltaic Modules and Panels

1. Revision to Expand the Definition of Type 3 Module in the Section 16, Fire Performance.

16.4.1 The use of module or panel types in this Section is optional. A module or panel intended for mounting on a roof (but not BIPVs) can be classified according to type based on its construction and the results of the fire tests detailed in Section 31.1.2, Spread of Flame on Top Surface, and Section 31.1.3, Burning Brand on Top Surface. Module or panel construction types shall be evaluated based on the following characteristics of PV module and panel construction: (1) the superstrate material; (2) the encapsulant material; (3) the substrate material; and, (4) the frame type and geometry (if any). The following types are representative of common module and panel constructions and their associated fire characteristics:

A Type 1, 4, or 7 module or panel meets the following requirements:

a) Construction: Glass superstrate of 0.14 ± 0.03 in (3.6 ±0.76 mm); a polymeric encapsulant between the superstrate and cells with a pre-lamination thickness of 0.018 ± 0.008 in (0.45 ±0.2 mm); either a polymeric encapsulant between the cells and substrate with a pre-lamination thickness of 0.018 ± 0.008 in (0.45 ±0.2 mm) and a polymeric substrate with nominal thickness no less than 0.012 in (0.30 mm) and no more than 0.025 in (0.64 mm) thickness or a combined substrate and encapsulant that meets the pre-lamination total thickness equal to an encapsulant thickness of 0.018 ± 0.008 in (0.45 ±0.2 mm) and a polymeric substrate with nominal thickness no less than 0.012 in (0.30 mm) and no more than 0.025 in thickness (0.64 mm); and metallic framing protecting the edge of the laminate.

b) Spread of Flame Test on Top Surface: The test shall be conducted using the procedure given in Section 31.1.2. For Type 1, the allowable spread of flame of 6 feet (1.82 m) or less in 10 minutes. For Type 4, the allowable spread of flame is 13 feet (3.96 m) or less in 4 minutes. For Type 7, the allowable spread of flame is 8 feet (2.4 m) or less in 10 minutes.

c) Burning Brand Test on Top Surface: The test shall be conducted using the procedure given in Section 31.1.3 using a C Brand. For Type 1, 4, and 7, passing results using a C Brand shall be demonstrated.

A Type 2, 5, or 8 module or panel meets the following requirements:

a) Construction: Glass superstrate of 0.14 ± 0.03 in (3.6 ±0.76 mm); a polymeric encapsulant between the superstrate and cells with a pre-lamination thickness of 0.018 ± 0.008 in (0.45 ±0.2 mm); either a polymeric encapsulant between the cells and substrate with a pre-lamination thickness of 0.018 ± 0.008 in (0.45 ±0.2 mm) and a polymeric substrate with nominal thickness between 0.001 in (0.025 mm) and 0.012 in thickness (0.30 mm) or a combined substrate and encapsulant that meets the pre-lamination total thickness equal to an encapsulant thickness of 0.018 ± 0.008 in (0.45 ±0.2 mm) and a polymeric substrate with nominal thickness between 0.001 in (0.025 mm) and 0.012 in thickness (0.30 mm); and metallic framing protecting the edge of the laminate.

b) Spread of Flame Test on Top Surface: The test shall be conducted using the procedure given in Section 31.1.2. For Type 2, the allowable spread of flame of 6 feet (1.82 m) or less in 10 minutes. For Type 5, the allowable spread of flame is 13 feet (3.96

m) or less in 4 minutes. For Type 8, the allowable spread of flame is 8 feet (2.4 m) or less in 10 minutes.

c) Burning Brand Test on Top Surface: The test shall be conducted using the procedure given in Section 31.1.3 using a C Brand. For Type 2, 5, and 8, passing results using a C Brand shall be demonstrated.

A Type 3, 6, or a 9-15 module or panel meets the following requirements:

a) Construction: Glass superstrate of 0.105 ± 0.030 in (2.67 ±0.76 mm); polymeric encapsulant between superstrate glass and cell or between cell and substrate glass with a total pre-lamination thickness of 0.035 ± 0.02 in (0.9 ±0.5mm); glass substrate of 0.105 ± ~~0.030~~ 0.038 in (2.67 ±~~0.76~~ 0.97 mm) with or without framing.

b) Spread of Flame Test on Top Surface: The test shall be conducted using the procedure given in Section 31.1.2. For Type 3, 10 and 13, the allowable spread of flame of 6 feet (1.82 m) or less in 10 minutes. For Type 6, 11, and 14, the allowable spread of flame is 13 feet (3.96 m) or less in 4 minutes. For Type 9, 12, and 15, the allowable spread of flame is 8 feet (2.4 m) or less in 10 minutes.

c) Burning Brand Test on Top Surface: The test shall be conducted using the procedure given in Section 31.1.3. For Type 3, 6, and 9, passing results using a C Brand shall be demonstrated. For Type 10, 11, and 12, passing results using a B Brand shall be demonstrated. For Type 13, 14, and 15, passing results using an A Brand shall be demonstrated.

New types of PV modules with other constructions and fire performance can be defined as needed. Table 16.1 lists the types of PV modules based on construction and fire performance. The fire performance of these other constructions shall be tested in accordance with 31.1.2 and 31.1.3.