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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

Comment Deadline: November 30, 2014

IIAR (International Institute of Ammonia Refrigeration)

New Standard

BSR/IIAR 8-201x, Decommissioning of Closed-Circuit Ammonia Refrigeration Systems (new standard)

This Standard specifies minimum criteria for removing the ammonia charge and decommissioning of closed-circuit ammonia refrigeration systems.

[Click here to view these changes in full](#)

Send comments (with copy to psa@ansi.org) to: Tony Lundell, (703) 312-4200, tony_lundell@iiar.org

NSF (NSF International)

Revision

BSR/NSF 14-201x (i63r1), Plastics piping system components and related materials (revision of ANSI/NSF 14-2014)

The physical, performance, and health effects requirements in this Standard apply to thermoplastic and thermoset plastic piping system components including, but not limited to, pipes, fittings, valves, joining materials, gaskets, and appurtenances. The established physical, performance, and health effects requirements also apply to materials (resin or blended compounds) and ingredients used to manufacture plastic piping system components. This Standard provides definitions and requirements for materials, ingredients, products, quality assurance, marking, and recordkeeping.

[Click here to view these changes in full](#)

Send comments (with copy to psa@ansi.org) to: Mindy Costello, (734) 827-6819, mcostello@nsf.org

NSF (NSF International)

Revision

BSR/NSF 14-201x (i64r1), Plastics piping system components and related materials (revision of ANSI/NSF 14-2014)

The physical, performance, and health effects requirements in this Standard apply to thermoplastic and thermoset plastic piping system components including, but not limited to, pipes, fittings, valves, joining materials, gaskets, and appurtenances. The established physical, performance, and health effects requirements also apply to materials (resin or blended compounds) and ingredients used to manufacture plastic piping system components. This Standard provides definitions and requirements for materials, ingredients, products, quality assurance, marking, and recordkeeping.

[Click here to view these changes in full](#)

Send comments (with copy to psa@ansi.org) to: Mindy Costello, (734) 827-6819, mcostello@nsf.org

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[Click here to view these changes in full](#)

Send comments (with copy to psa@ansi.org) to: Mindy Costello, (734) 827-6819, mcostello@nsf.org

NSF (NSF International)

Revision

BSR/NSF 350-201x (i6r1), Onsite residential and commercial water reuse treatment systems (revision of ANSI/NSF 350-2012)

This Standard contains minimum requirements for onsite residential and commercial water treatment systems.

[Click here to view these changes in full](#)

Send comments (with copy to psa@ansi.org) to: Mindy Costello, (734) 827-6819, mcostello@nsf.org

NSF (NSF International)

Revision

BSR/NSF 350-201x (i7r1), Onsite residential and commercial water reuse treatment systems (revision of ANSI/NSF 350-2012)

This Standard contains minimum requirements for onsite residential and commercial water treatment systems.

[Click here to view these changes in full](#)

Send comments (with copy to psa@ansi.org) to: Mindy Costello, (734) 827-6819, mcostello@nsf.org

UL (Underwriters Laboratories, Inc.)

New National Adoption

BSR/UL 60384-14-201x, Standard for Safety for Fixed Capacitors for Use in Electronic Equipment - Part 14: Sectional Specification: Fixed Capacitors for Electromagnetic Interference Suppression and Connection to the Supply Mains (identical national adoption of IEC 60384-14 and revision of ANSI/UL 60384-14-2014)

(1) Revision to cover DC- or PV-applications; (2) Revision to voltage US of the Endurance Test for Class X Capacitors and RC Units Containing Class X Capacitors; and (3) Revision to voltage US of the Endurance Test for Class Y Capacitors and RC Units Containing Class Y Capacitors.

[Click here to view these changes in full](#)

Send comments (with copy to psa@ansi.org) to: Mitchell Gold, (847) 664-2850, Mitchell.Gold@ul.com

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 430-201x, Standard for Safety for Waste Disposers (revision of ANSI/UL 430-2011)

(1) Proposed addition of requirements specific to a foot-actuated switch of a disposer for household use.

[Click here to view these changes in full](#)

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 1821-201x, Standard for Safety for Thermoplastic Sprinkler Pipe and Fittings for Fire Protection Service (Proposal dated October 31, 2014) (revision of ANSI/UL 1821-2011a)

(1) Unfinished Basement Fire Tests; (2) Flange Leakage and Hydrostatic Test.

[Click here to view these changes in full](#)

Send comments (with copy to psa@ansi.org) to: Edward Minasian, (631) 546-3305, Edward.D.Minasian@ul.com

UL (Underwriters Laboratories, Inc.)**Revision**

BSR/UL 1995-201x, Standard for Safety for Heating and Cooling Equipment (revision of ANSI/UL 1995-2011a)

The following is being recirculated: (1) Revision to 28.2 and 28.3 covering motor starting capacitor requirements.

[Click here to view these changes in full](#)

Send comments (with copy to psa@ansi.org) to: Jeff Prusko, (847) 664-3416, jeffrey.prusko@ul.com

Comment Deadline: December 15, 2014**ASABE (American Society of Agricultural and Biological Engineers)****New National Adoption**

BSR/ASABE AD500-1:2014 MONYEAR, Agricultural tractors - Rear-mounted power take-off types 1, 2, 3 and 4 - Part 1: General specifications, safety requirements, dimensions for master shield and clearance zone (national adoption of ISO 500-1:2004 with modifications and revision of ANSI/ASABE/ISO AD500-1-2004 W/Cor.1-2011)

Gives general specifications for speeds, safety requirements, dimensions for master shield, and clearance zones for rear-mounted power take-offs of types 1, 2, 3, and 4 on agricultural tractors with a track setting of more than 1150 mm. This scope is identical to the scope of ISO 500-1 except for the inclusion of: (1) over-speed requirements; (2) dimensions associated with the drawbars; (3) dimensional association between the tractor power take-off shaft, drawbar, and implement input connection; (4) inclusion of the power take-off, implement input driveline, implement input connection, auxiliary power take-off provisions; (5) Referencing ASABE/ISO 500-2:2004 in place ISO 50.

Single copy price: \$55.00

Obtain an electronic copy from: vangilder@asabe.org

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

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

ASABE (American Society of Agricultural and Biological Engineers)**New Standard**

BSR/ASABE EP585 MONYEAR-201x, Animal Mortality Composting (new standard)

This Engineering Practices covers planning, construction, operation, and maintenance of mortality composting operations using naturally ventilated, static pile bin or window systems of the type typically used for routine or emergency mortality management on farms or ranches. Guidelines for in-vessel or mechanically ventilated composting systems are not covered.

Single copy price: \$55.00

Obtain an electronic copy from: vangilder@asabe.org

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

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

ASABE (American Society of Agricultural and Biological Engineers)**Revision**

BSR/ASAE S343.4 MONYEAR-201x, Terminology for Combines and Grain Harvesting (revision and redesignation of ANSI/ASAE S343.3-1990 (R2013))

This Standard establishes terminology pertinent to grain combine design and performance. It is intended to improve communication among engineers and researchers and to provide a basis for comparative listing of machine specifications.

Single copy price: \$55.00

Obtain an electronic copy from: vangilder@asabe.org

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

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

ASC X9 (Accredited Standards Committee X9, Incorporated)**Revision**

BSR X9.100-181-201x, TIFF Image Format for Image Exchange (revision of ANSI X9.100-181-2010)

The scope of this standard is to define specific TIFF fields that can be used and the allowable values for those fields that will support interoperability for check image exchange processing between financial institutions. This standard will only address the use of G4 bilevel image (black/white) compressions within the TIFF 6.0 structure.

Single copy price: \$60.00

Obtain an electronic copy from: janet.busch@x9.org

Order from: Janet Busch, (410) 267-7707, janet.busch@x9.org

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

ATIS (Alliance for Telecommunications Industry Solutions)**Reaffirmation**

BSR/ATIS 0900102-1993 (R201x), Digital Hierarchy - Electrical Interfaces (reaffirmation of ANSI/ATIS 0900102-1993 (R2010))

This revised standard describes the electrical interfaces for the DS1, DS1c, DS2, and DS3 levels of the North American digital telecommunications hierarchy. Compliance with this standard is necessary to achieve satisfactory interworking of the telecommunications network.

Single copy price: \$220.00

Obtain an electronic copy from: kconn@atis.org

Order from: Kerriane Conn, (202) 434-8841, kconn@atis.org

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

ATIS (Alliance for Telecommunications Industry Solutions)**Reaffirmation**

BSR/ATIS 0900105.01-2000 (R201x), Synchronous Optical Network (SONET) - Automatic Protection Switching (reaffirmation of ANSI/ATIS 0900105.01-2000 (R2010))

The purpose of this standard is to establish specification for the automatic protection switching of optical facilities using the optical interface standard specified in ATIS 0900105. This standard defines the contents of the Automatic Protection Switching (APS) bytes within the SONET signal.

Single copy price: \$330.00

Obtain an electronic copy from: kconn@atis.org

Order from: Kerriane Conn, (202) 434-8841, kconn@atis.org

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

ATIS (Alliance for Telecommunications Industry Solutions)**Reaffirmation**

BSR/ATIS 0900105.04-1995 (R201x), Synchronous Optical Network (SONET) - Data Communication Channel Protocol and Architectures (reaffirmation of ANSI/ATIS 0900105.04-1995 (R2010))

The purpose of this standard is to establish specifications for the data communications channels within facilities using the interface standard specified in ANSI T1.105-1995. This standard defines the protocols and architectures for data communications using the DCC bytes within the SONET signal. These DCC bytes carry the OAM&P information between network elements and can be used as an integral part of the overall Telecommunications Management Network (TMN).

Single copy price: \$60.00

Obtain an electronic copy from: kconn@atis.org

Order from: Kerrienne Conn, (202) 434-8841, kconn@atis.org

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

ATIS (Alliance for Telecommunications Industry Solutions)**Revision**

BSR/ATIS 0300074-201x, Guidelines and Requirements for Security Management Systems (revision of ANSI/ATIS 0300074-2009)

This standard aligns with the relevant ITU-T recommendation M.3410, Guidelines and Requirements for Security Management Systems to Support Telecommunications Management, to replace the previously published ATIS 0300074.2006.

Single copy price: \$30.00

Obtain an electronic copy from: kconn@atis.org

Order from: Kerrienne Conn, (202) 434-8841, kconn@atis.org

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

ATIS (Alliance for Telecommunications Industry Solutions)**Revision**

BSR/ATIS 0300210-201x, OAM&P - Principles of Functions, Architectures, and Protocol for Telecommunications Management Network (TMN) Interfaces and enhanced Telecom Operations Map (eTOM) (revision of ANSI/ATIS 0300210-2009)

It is the intention of this standard to use and align with the relevant ITU-T Recommendations.

Single copy price: \$30.00

Obtain an electronic copy from: kconn@atis.org

Order from: Kerrienne Conn, (202) 434-8841, kconn@atis.org

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

BPI (Building Performance Institute)**New Standard**

BSR/BPI 1200-S-201x, Standard Practice for Basic Analysis of Buildings (new standard)

Defines minimum criteria for conducting building science-based residential inspections and diagnostic testing of existing detached single-family dwellings and townhouses that meet certain criteria. The evaluation will address energy usage and limited aspects of building durability and occupant health and safety; will provide a comprehensive report with a list of prioritized recommendations to improve the home; and will include a cost-benefit analysis. This standard parallels BPI 1100-T-201x Home Energy Auditing Standard and provides specific procedures regarding how to meet the requirements detailed in BPI 1100-T.

Single copy price: Free

Obtain an electronic copy from: standards@bpi.org

Order from: Susan Carson, (877) 274-1274, scarson@bpi.org; standards@bpi.org

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

CEMA (Conveyer Equipment Manufacturers Association)**Reaffirmation**

BSR/CEMA 550-2003 (R201x), Classification and Definition of Bulk Materials (reaffirmation of ANSI/CEMA 550-2003 (R2009))

Presents a system to help classify bulk materials so that they may be safely conveyed on bulk conveyors. It provides classifications of over 500 materials with physical characteristics that affect conveyability. It provides suggested test procedures to aid the characterization of new materials to support selection of the appropriate conveying machinery and ancillary equipment.

Single copy price: \$30.00

Obtain an electronic copy from: www.cemanet.org

Send comments (with copy to psa@ansi.org) to: Philip Hannigan, (239) 514-3441, phil@cemanet.org

CEMA (Conveyer Equipment Manufacturers Association)**Revision**

BSR/CEMA 300-2014, Screw Conveyor Dimensional Standards (revision of ANSI/CEMA 300-2009)

Includes 34 recommended dimensional standards for major screw conveyor components. This Revision modifies three of those standards. The Changed Pages are included with this notice.

Single copy price: \$15.00

Obtain an electronic copy from: www.cemastore.com

Send comments (with copy to psa@ansi.org) to: Philip Hannigan, (239) 514-3441, phil@cemanet.org

CEMA (Conveyer Equipment Manufacturers Association)**Revision**

BSR/CEMA 350-201x, Screw Conveyors (revision of ANSI/CEMA 350-2009)

Provides accepted engineering and application guidance for proper screw conveyor design. This change adds 30- and 36-inch screw dimensions and associated data.

Single copy price: \$50.00

Obtain an electronic copy from: www.cemastore.com

Order from: CEMA, www.cemastore.com

Send comments (with copy to psa@ansi.org) to: Philip Hannigan, (239) 514-3441, phil@cemanet.org

FM (FM Approvals)***New Standard***

BSR/FM 1950-201x, Seismic Sway Braces for Pipe, Tubing and Conduit (new standard)

The document being considered for adoption as the national standard includes design and performance requirements for seismic sway bracing used to restrain piping, tubing, and conduit. General and performance requirements apply to components that are attached to the structural element and to the piping, tubing, and conduit. Although used in testing the "brace member" attached between the structural-attached and piping-attached component is not included within the scope of this standard.

Single copy price: Free

Obtain an electronic copy from: josephine.mahnken@fmapprovals.com

Order from: Josephine Mahnken, (781) 255-4813, josephine.mahnken@fmapprovals.com

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

HL7 (Health Level Seven)***New Standard***

BSR/HL7 V3 PAPERNSREG, R1-201x, HL7 Version 3 Standard: Patient Administration; Person Registry, Release 1 (new standard)

The Person Registry defines demographics and visit information about persons who are not patients.

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

Obtain an electronic copy from: Karenvan@HL7.org

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

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

IAPMO (ASSE Chapter) (ASSE International Chapter of IAPMO)***New Standard***

BSR/ASSE 1081-201x, Backflow Preventers with Integral Pressure Reducing Boiler Feed Valve and Intermediate Atmospheric Vent Style for Domestic and Light Commercial Water Distribution Systems (new standard)

The devices covered by this standard are multi-functional products combined integrally in a single housing or manifold to provide the required features in a compact format that is serviceable and easily installed. These devices are intended to provide the same benefits and features as the products individually manufactured and qualified under ASSE 1003-2009, "Water Pressure Reducing Valves for Domestic Water Distribution Systems", and ASSE 1012-2009, "Backflow Preventer with Intermediate Atmospheric Vent", except where specific limitations have been applied to suit residential and light commercial boiler feed and applications.

Single copy price: Free

Obtain an electronic copy from: Conrad.jahrling@asse-plumbing.org

Order from: Conrad Jahrling, (708) 995-3017, Conrad.jahrling@asse-plumbing.org

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

ISA (International Society of Automation)***New Standard***

BSR/ISA 75.10.03-201x, Installed Face-to-Face Dimensions for Shell and Tube Flanged Pinch Valves (Classes 125 and 150) (new standard)

This document applies directly to pneumatically operated pinch valves, sizes 1/2 inch through 24 inches, of the shell and tube design that have flanges that mate with ASME B16.1 Class 125 (PN20) and/or ASME B16.5 Class 150 (PN20) flanges. This document excludes solenoid-actuated valves, electric-motor-operated valves, cylinder-operated valves, diaphragm-operated valves, pressure-reducing valves, and manually (hand-wheel) operated valves. This document applies only to pinch valves of the shell and tube design.

Single copy price: \$40.00

Obtain an electronic copy from: ebrazda@isa.org

Order from: Eliana Brazda, (919) 990-9228, ebrazda@isa.org

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

ISEA (International Safety Equipment Association)***Revision***

BSR/ISEA Z308.1-201x, Minimum Requirements for Workplace First Aid Kits and Supplies (revision of ANSI/ISEA Z308.1-2009)

This standard establishes minimum performance requirements for first-aid kits and their supplies intended for use in various work environments.

Classification of kits are based on the assortment and quantity of first-aid supplied. First-aid kit containers are classified by Type, based on portability; ability to be mounted; and resistance to water, corrosion, and impact.

Single copy price: \$30.00

Obtain an electronic copy from: cfargo@safetysafetyequipment.org

Order from: Cristine Fargo, (703) 525-1695, cfargo@safetysafetyequipment.org

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

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

INCITS/ISO/IEC TR 9575:1995 [2010], Information technology - Telecommunications and information exchange between systems - OSI Routing Framework (withdrawal of INCITS/ISO/IEC TR 9575:1995 [2010])

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

Single copy price: \$108.00

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@itic.org

NISO (National Information Standards Organization)**Reaffirmation**

BSR/NISO Z39.14-1997 (R201x), Guidelines for Abstracts (reaffirmation of ANSI/NISO Z39.14-1997 (R2009))

Guidance is presented for authors and editors preparing abstracts that represent the content of texts reporting on the results of experimental work or descriptive or discursive studies. Suggestions for the placement of abstracts within publications or other media are given, along with recommendations for abstracting specific documents. Types of abstracts and their content are described. Also included are suggestions on the style of abstracts and a list of selected readings on the subject of abstracting. Examples of abstracts are appended.

Single copy price: \$45.00

Obtain an electronic copy from: <http://www.niso.org/standards/z39-14-1997R2009/>

Order from: Cynthia Hodgson, (301) 654-2512, hodgsonca@verizon.net

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

NISO (National Information Standards Organization)**Revision**

BSR/NISO Z39.48-201x, Permanence of Paper for Publications and Documents in Libraries and Archives (revision of ANSI/NISO Z39.48-1992 (R2009))

Publishers and paper manufacturers, take note! This standard sets the basic criteria for coated and uncoated papers that will last several hundred years under normal use. It covers pH value, tear resistance, alkaline reserve, and lignin threshold. Recycled papers will meet the criteria specified. This revision to the original 1984 standard is based on testing conducted by the Institute of Paper Science and Technology and contributions from paper makers, publishers, printers, and the preservation community.

Single copy price: \$40.00

Obtain an electronic copy from: <http://www.niso.org/standards/z39-48-1992r2009/>

Order from: Cynthia Hodgson, (301) 654-2512, hodgsonca@verizon.net

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

NISO (National Information Standards Organization)**Stabilized Maintenance**

BSR/NISO Z39.23-1997 (S201x), Standard Technical Report Number Format and Creation (stabilized maintenance of ANSI/NISO Z39.23-1997 (R2009))

Defines a unique numbering system that improves access to the wealth of scientific and technical reports issued by the government and private organizations. The STRN is an alphanumeric code with a maximum length of 34; for international application, an optional country code can be added. The standard explains how and where the code should be assigned and used. A central authority to coordinate and monitor assignments of the code is designated.

Single copy price: \$40.00

Obtain an electronic copy from: <http://www.niso.org/standards/z39-23-1997>

Order from: Cynthia Hodgson, (301) 654-2512, hodgsonca@verizon.net

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

NISO (National Information Standards Organization)**Stabilized Maintenance**

BSR/NISO Z39.41-1997 (S201x), Placement Guidelines for Information on Spines (stabilized maintenance of ANSI/NISO Z39.41-1997 (R2009))

Describes and allocates areas on the spines of printed bindings, covers, containers, or other protective enclosures. It describes, at a high level, both the kinds of information to be printed on spines and the order and placement of the information.

Single copy price: \$40.00

Obtain an electronic copy from: http://www.niso.org/apps/group_public/project/details.php?project_id=65

Order from: Cynthia Hodgson, (301) 654-2512, hodgsonca@verizon.net

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

NISO (National Information Standards Organization)**Stabilized Maintenance**

BSR/NISO Z39.50-2003 (S201x), Information Retrieval: Application Service Definition & Protocol Specification (stabilized maintenance of ANSI/NISO Z39.50-2003 (R2009))

This standard defines a client/server-based service and protocol for Information Retrieval. It specifies procedures and formats for a client to search a database provided by a server, retrieve database records, and perform related information retrieval functions. The protocol addresses communication between information retrieval applications at the the client and server; it does not address interaction between the client and the end-user.

Single copy price: \$129.00

Obtain an electronic copy from: <http://www.niso.org/standards/z39-50-2003R2009/>

Order from: Cynthia Hodgson, (301) 654-2512, hodgsonca@verizon.net

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

NISO (National Information Standards Organization)**Stabilized Maintenance**

BSR/NISO Z39.89-2003 (S201x), The U.S. National Z39.50 Profile for Library Applications (stabilized maintenance of ANSI/NISO Z39.89-2003 (R2009))

This standard specifies the use of ANSI/NISO Z39.50-2003 in library applications. It specifies Z39.50 client and Z39.50 server behavior for search and retrieval across online library catalogs. The specifications included in this standard use The Bath Profile: A Z39.50 Specification for Library Applications and Resource Discovery (Release 2) as its foundation. Conformant use of this standard will improve interoperability between Z39.50 implementations.

Single copy price: \$55.00

Obtain an electronic copy from: <http://www.niso.org/standards/z39-89-2003R2009/>

Order from: Cynthia Hodgson, (301) 654-2512, hodgsonca@verizon.net

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

OEO SC (ASC OP) (Optics and Electro-Optics Standards Council)

New National Adoption

BSR OEO SC OP1.0110-10-201x, Standard for Optics and Electro-Optical Instruments - Preparation of drawings for optical elements and systems - Part:10 Table representing data of optical elements and cemented assemblies (national adoption with modifications of ISO 10110-10)

OP1.0110-10 is a national standard that establishes uniform practices for drawing notations in tabular form for optical elements and assemblies. It is based entirely on ISO 10110-10, but modified to accommodate standard practice in the United States.

Single copy price: \$75.00 PDF; \$100.00 print

Obtain an electronic copy from: daikens@optstd.org

Order from: Dave Aikens, (860) 878-0722, daikens@optstd.org

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

TAPPI (Technical Association of the Pulp and Paper Industry)

New Standard

BSR/TAPPI T 259 om-201x, Species identification of nonwood plant fibers (new standard)

The fibrous elements of the nonwood plant species, which are commonly encountered in papermaking or that are expected to have the potential of being used for this purpose, may be identified on the basis of their morphology as revealed by the microscope. The purpose of this method is to provide some of the details, which are useful in making an identification of an unknown nonwood plant specimen. This method can be used whether a coarse undefibered specimen is present or samples of pulp, paper, or other paper products are provided.

Single copy price: Free

Obtain an electronic copy from: standards@tappi.org

Order from: Charles Bohanan, (770) 209-7276, standards@tappi.org

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

TIA (Telecommunications Industry Association)

Revision

BSR/TIA 569-D-201x, Telecommunications Pathways and Spaces (revision and redesignation of ANSI/TIA 569-C-1-2013)

This standard specifies requirements for telecommunications pathways and spaces. A new revision is needed to:

- Incorporate content of addendum ANSI/TIA 569-C-1;
- Align content with draft ANSI/TIA 568.0-D; and
- Revise/clarify requirements for distributor rooms, conduit.

Single copy price: \$61.00

Obtain an electronic copy from: standards@tiaonline.org

Order from: Telecommunications Industry Association (TIA), standards@tiaonline.org

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

UL (Underwriters Laboratories, Inc.)

New National Adoption

BSR/UL 61010-1-201X, Standard for Safety for Electrical Equipment for Measurement, Control, and Laboratory Use - Part 1: General Requirements (Ballot dated 10-31-14) (national adoption of IEC 61010-1 with modifications and revision of ANSI/UL 61010-1-2012)

This bulletin proposes editorial corrections to match IEC standard for Clause 3.6.12, and revisions to 6.7.2.2.1, 6.7.2.2.4, 6.7.3.4.1, 6.7.3.4.4, 6.8.3.1, 9.6.1, K.1.3.1, K.1.3.4, K.2.4.1, K.2.4.4, and K.3.2.

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: Vickie Hinton, (919) 549-1851, Vickie.T.Hinton@ul.com

UL (Underwriters Laboratories, Inc.)

Reaffirmation

BSR/UL 248-5-2005 (R201X), Low-Voltage Fuses - Part 5: Class G Fuses (reaffirmation of ANSI/UL 248-5-2005 (R2010))

Reaffirmation of ANSI approval for UL 248-5.

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

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Send comments (with copy to psa@ansi.org) to: Casey Granata, (919) 549-1054, Casey.Granata@UL.Com

UL (Underwriters Laboratories, Inc.)

Reaffirmation

BSR/UL 248-6-2005 (R201x), Low-Voltage Fuses - Part 6: Class H Non-Renewable Fuses (reaffirmation of ANSI/UL 248-6-2005 (R2010))

Reaffirmation of ANSI approval for UL 248-6.

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Send comments (with copy to psa@ansi.org) to: Casey Granata, (919) 549-1054, Casey.Granata@UL.Com

UL (Underwriters Laboratories, Inc.)

Reaffirmation

BSR/UL 555C-2010 (R201x), Standard for Safety for Ceiling Dampers (reaffirmation of ANSI/UL 555C-2010)

(1) Reaffirmation and continuance of the Third Edition of the Standard for Safety for Ceiling Dampers, UL 555C.

Single copy price: Contact comm2000 for pricing and delivery options

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

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Send comments (with copy to psa@ansi.org) to: Mitchell Gold, (847) 664-2850, Mitchell.Gold@ul.com

UL (Underwriters Laboratories, Inc.)**Revision**

BSR/UL 541-201x, Standard for Safety for Refrigerated Vending Machines (revision of ANSI/UL 541-2013)

(1) Proposed revision and addition of requirements to clarify the differences between requirements that apply to devices that control a motor and devices that provide motor protection; (2) Proposed addition and revision of capacitor requirements to allow for compliance with alternative capacitor requirements in the Standard for Fixed Capacitors for Use in Electronic Equipment, UL 60384-14; (3) Proposed revisions to stand-alone solar photovoltaic vending machines requirements for machines not intended to be connected to an electrical production and distribution network; and (4) Proposed editorial revisions to clarify requirements.

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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 1449-201x, Standard for Safety for Surge Protective Devices (revision of ANSI/UL 1449-2014)

(1) Correction to requirements in 7.1.4.4; (2) Clarification of voltage-switching SPDs; (3) Addition of requirements for SPDs intended for pole mounting; (4) SPDs employing pyrotechnic ignition devices; (5) Definition and clarification of the use of cheesecloth and tissue paper; (6) Addition of Low-Temperature Impact Test for Outdoor Use SPDs; (7) Clarifications to Sections 40 and 44; (8) Clarification of Table 36.1 and Table 36.2; (9) Clarification of requirements for SPDs intended for rack mounting; (10) Addition of requirements for outdoor-use Type-3 SPDs; (11) Revision of 44.1.11(f) and 44.2.5(c); (12) Revision of 44.4.1 regarding SPD temperature equilibrium; and (13) Addition of exception to 44.1.7 to address cheesecloth placement for enclosures with conduit openings.

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Send comments (with copy to psa@ansi.org) to: Mitchell Gold, (847) 664-2850, Mitchell.Gold@ul.com

Comment Deadline: December 30, 2014**ASME (American Society of Mechanical Engineers)****Revision**

BSR/ASME B30.1-201x, Jacks, Industrial Rollers, Air Casters and Hydraulic Gantries (revision of ANSI/ASME B30.1-2009)

Volume B30.1 includes provisions that apply to the construction, operation, inspection, testing, and maintenance of mechanical ratchet jacks, hand- or power-operated mechanical screw jacks, hand- or power-operated hydraulic jacks, air-lifting bags, industrial rollers, air casters, telescopic hydraulic gantry systems, and strand jacks.

Single copy price: Free

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

Order from: Mayra Santiago, (212) 591-8521, ansibox@asme.org

Send comments (with copy to psa@ansi.org) to: Kathryn Hyam, (212) 591-8521, hyamk@asme.org

UL (Underwriters Laboratories, Inc.)**New Standard**

BSR/UL 1699B-201X, Standard for Safety for Photovoltaic (PV) DC Arc-Fault Circuit Protection (new standard)

These requirements cover DC photovoltaic arc-fault circuit protection devices intended for use in solar photovoltaic electrical energy systems as described in Article 690 of the National Electrical Code. This protection is intended to mitigate the effects of arcing faults that may pose a risk of fire ignition under certain conditions if the arcing persists. These requirements cover devices including photovoltaic (PV) dc arc-fault circuit-interrupters (AFCI); arc-fault detectors (AFD); interrupting devices (ID); and inverters, converters, and charge controllers with integral arc-fault circuit-interrupter protection.

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Send comments (with copy to psa@ansi.org) to: Edward Minasian, (631) 546-3305, Edward.D.Minasian@ul.com

Projects Withdrawn from Consideration

An accredited standards developer may abandon the processing of a proposed new or revised American National Standard or portion thereof if it has followed its accredited procedures. The following projects have been withdrawn accordingly:

ASTM (ASTM International)

BSR/ASTM WK30990-201x, New Practice for Installation of Corrugated Plastic Pipe for Agricultural Drainage (new standard)

ASTM (ASTM International)

BSR/ASTM WK31883-201x, New Specification for Integral Motor Pumps (new standard)

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 Drive
Suite 301
Arlington, VA 22203-1633

Contact: *Jennifer Moyer*

Phone: (703) 253-8274

Fax: (703) 276-0793

E-mail: jmoyer@aami.org

BSR/AAMI/ISO 14117-201x, Active implantable medical devices - Electromagnetic compatibility - EMC test protocols for implantable cardiac pacemakers, implantable cardioverter defibrillators, and cardiac resynchronization devices (identical national adoption of ISO 14117, 2nd ed (in development) and revision of ANSI/AAMI/ISO 14117-2012)

CEMA (Conveyor Equipment Manufacturers Association)

Office: 5672 Strand Court
Suite 2
Naples, FL 34110

Contact: *Philip Hannigan*

Phone: (239) 514-3441

Fax: (239) 514-3470

E-mail: phil@cemanet.org

BSR/CEMA 300-2014, Screw Conveyor Dimensional Standards (revision of ANSI/CEMA 300-2009)

Obtain an electronic copy from: www.cemastore.com

BSR/CEMA 350-201x, Screw Conveyors (revision of ANSI/CEMA 350-2009)

Obtain an electronic copy from: www.cemastore.com

BSR/CEMA 550-2003 (R201x), Classification and Definition of Bulk Materials (reaffirmation of ANSI/CEMA 550-2003 (R2009))

Obtain an electronic copy from: www.cemanet.org

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

Office: 4317 NE Thurston Way
Suite #200
Vancouver, WA 98662

Contact: *Mili Washington*

Phone: (360) 989-3030

Fax: (360) 693-4858

E-mail: mili@iicrc.org

BSR/IICRC S320-201X, Standard for the Professional Assessment, Cleaning, and Restoration of Contents (new standard)

BSR/IICRC S400-201x, Standard for Cleaning, Maintenance, and Restoration of the Built Environment (new standard)

ISA (International Society of Automation)

Office: PO Box 12277, 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 75.10.03-201x, Installed Face-to-Face Dimensions for Shell and Tube Flanged Pinch Valves (Classes 125 and 150) (new standard)

Obtain an electronic copy from: ebrazda@isa.org

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

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

Contact: *Deborah Spittle*

Phone: (202) 626-5746

Fax: (202) 638-4922

E-mail: comments@itc.org

INCITS/ISO/IEC TR 9575:1995 [2010], Information technology - Telecommunications and information exchange between systems - OSI Routing Framework (withdrawal of INCITS/ISO/IEC TR 9575:1995 [2010])

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

NSF (NSF International)

Office: 789 N. Dixboro Road
Ann Arbor, MI 48105

Contact: *Mindy Costello*

Phone: (734) 827-6819

Fax: (734) 827-7875

E-mail: mcostello@nsf.org

BSR/NSF 14-201x (i63r1), Plastics piping system components and related materials (revision of ANSI/NSF 14-2014)

BSR/NSF 14-201x (i64r1), Plastics piping system components and related materials (revision of ANSI/NSF 14-2014)

BSR/NSF 14-201x (i66r1), Plastics piping system components and related materials (revision of ANSI/NSF 14-2014)

BSR/NSF 350-201x (i6r1), Onsite residential and commercial water reuse treatment systems (revision of ANSI/NSF 350-2012)

BSR/NSF 350-201x (i7r1), Onsite residential and commercial water reuse treatment systems (revision of ANSI/NSF 350-2012)

OEOSC (ASC OP) (Optics and Electro-Optics Standards Council)

Office: 35 Gilbert Hill Rd.
Chester, CT 06412

Contact: *Dave Aikens*

Phone: (860) 878-0722

Fax: (860) 555-1212

E-mail: daikens@optstd.org

BSR OEOSC OP1.0110-10-201x, Standard for Optics and Electro-Optical Instruments - Preparation of drawings for optical elements and systems - Part:10 Table representing data of optical elements and cemented assemblies (national adoption with modifications of ISO 10110-10)

Obtain an electronic copy from: daikens@optstd.org

TAPPI (Technical Association of the Pulp and Paper Industry)

Office: 15 Technology Parkway South
Peachtree Corners, GA 30092

Contact: *Charles Bohanan*

Phone: (770) 209-7276

Fax: (770) 446-6947

E-mail: standards@tappi.org

BSR/TAPPI T 220 om-2010 (R201x), Physical testing of pulp handsheets (reaffirmation of ANSI/TAPPI T 220 sp-2010)

TIA (Telecommunications Industry Association)

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

Contact: *Germaine Palangdao*

Phone: (703) 907-7497

Fax: (703) 907-7727

E-mail: standards@tiaonline.org

BSR/TIA 569-D-201x, Telecommunications Pathways and Spaces (revision and redesignation of ANSI/TIA 569-C-1-2013)

Obtain an electronic copy from: standards@tiaonline.org

Call for Members (ANS Consensus Bodies)

ISEA (International Safety Equipment Association)

The International Safety Equipment Association (ISEA) is soliciting interested parties to participate in the consensus review of two standards being proposed for reaffirmation:

ANSI/ISEA 102-1990 (R2009), *American National Standard for Gas Detector Tube Units – Short Term Type for Toxic Gases and Vapors in Working Environments*

ANSI/ISEA 104-1998 (R2009), *American National Standard for Air Sampling Devices – Diffusive Type*

Stakeholder interest is being sought for the following interest categories:

Producer – A manufacturer of the product covered by the standard or components thereof

User – An organization that uses, specifies or purchases the product covered by the standard

Government – An agency or department that has a regulatory or other interest in the product (government agencies that use the product fall under the User category)

General Interest – An organization that has a special interest in this standard due to safety, technical or other requirements or an individual expert with knowledge in the area(s) covered by the standard, but who neither produces nor uses products covered by the standard.

Stakeholders interested in participating should contact:

Cristine Fargo

ISEA Director, Member and Technical Services

Office: 703-525-1695

cfargo@safetyequipment.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.

API (American Petroleum Institute)

New National Adoption

ANSI/API Recommended Practice 2GEO-2014, Geotechnical and Foundation Design Considerations (national adoption with modifications of ISO 19901-4): 10/21/2014

ASC X9 (Accredited Standards Committee X9, Incorporated)

New Standard

ANSI X9-112-2-2014, Wireless Management and Published Security - Part 2: POS and ATM (new standard): 10/21/2014

ASME (American Society of Mechanical Engineers)

Reaffirmation

ANSI/ASME B89.1.5-1998 (R2014), Measurement of Plain External Diameters for Use as Master Discs or Cylindrical Plug Gages (reaffirmation of ANSI/ASME B89.1.5-1998 (R2009)): 10/21/2014

ANSI/ASME Y14.44-2008 (R2014), Reference Designations for Electrical and Electronics Parts and Equipment (reaffirmation of ANSI/ASME Y14.44-2008): 10/21/2014

Revision

ANSI/ASME B31.12-2014, Hydrogen Piping and Pipelines (revision of ANSI/ASME B31.12-2011): 10/24/2014

ATIS (Alliance for Telecommunications Industry Solutions)

New Standard

ANSI/ATIS 0600015.08-2014, Small Networking Devices Efficiency Standard (new standard): 10/27/2014

HI (Hydraulic Institute)

New Standard

ANSI/HI 9.6.8-2014, Rotodynamic Pumps - Dynamics of Pumping Machinery (new standard): 10/27/2014

IEEE (Institute of Electrical and Electronics Engineers)

New Standard

ANSI/IEEE 18-2012, Standard for Shunt Power Capacitors (new standard): 10/21/2014

ANSI/IEEE 422-2012, Guide for the Design of Cable Raceway Systems for Electric Generating Facilities (new standard): 10/27/2014

ANSI/IEEE 802.1AEbw-2013, Standard for Local and metropolitan area networks - Media Access Control (MAC) Security Amendment 2: Extended Packet Numbering (new standard): 10/24/2014

ANSI/IEEE 1609.2-2013, Standard for Wireless Access in Vehicular Environments - Security Services for Applications and Management Messages (new standard): 10/27/2014

ANSI/IEEE C57.17-2012, Standard Requirements for Arc Furnace Transformers (new standard): 10/21/2014

ANSI/IEEE C57.143-2012, Guide for Application for Monitoring Equipment to Liquid-Immersed Transformers and Components (new standard): 10/22/2014

ANSI/IEEE C57.149-2012, Guide for the Application and Interpretation of Frequency Response Analysis for Oil-Immersed Transformers (new standard): 10/22/2014

Reaffirmation

ANSI/IEEE 286-2000 (R2012), Recommended Practice for Measurement of Power Factor Tip-Up of Electric Machinery Stator Coil Insulation (reaffirmation of ANSI/IEEE 286-2000 (R2006)): 10/23/2014

Revision

ANSI/IEEE 1800-2012, Standard for System Verilog - Unified Hardware Design, Specification, and Verification Language (revision of ANSI/IEEE 1800-2009): 10/23/2014

ANSI/IEEE C62.92.3-2012, Guide for the Application of Neutral Grounding in Electrical Utility Systems - Part III: Generator Auxiliary Systems (revision of ANSI/IEEE C62.92.3-1993 (R2005)): 10/27/2014

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

New National Adoption

INCITS/ISO/IEC 7816-1:2011 [2014], Identification cards - Integrated circuit cards - Part 1: Cards with contacts - Physical characteristics (identical national adoption of ISO/IEC 7816-1:2011 and revision of INCITS/ISO/IEC 7816-1:1998 [R2009] and INCITS/ISO/IEC 7816-1:1998/AM1:2003 [R2009]): 10/27/2014

INCITS/ISO/IEC 8824-1:2008 [2014], Information technology - Abstract Syntax Notation One (ASN.1): Specification of basic notation (identical national adoption of ISO/IEC 8824-1:2008 and revision of INCITS/ISO/IEC 8824-1:2004 [R2009]): 10/21/2014

INCITS/ISO/IEC 8824-2:2008 [2014], Information technology - Abstract Syntax Notation One (ASN.1): Information object specification (identical national adoption of ISO/IEC 8824-2:2008 and revision of INCITS/ISO/IEC 8824-2:2008 [R2009]): 10/21/2014

INCITS/ISO/IEC 8824-3:2008 [2014], Information technology - Abstract Syntax Notation One (ASN.1): Constraint specification (identical national adoption of ISO/IEC 8824-3:2008 and revision of INCITS/ISO/IEC 8824-3:2004 [R2009]): 10/21/2014

INCITS/ISO/IEC 8824-4:2008 [2014], Information technology - Abstract Syntax Notation One (ASN.1): Parameterization of ASN.1 specifications (identical national adoption of ISO/IEC 8824-4:2008 and revision of INCITS/ISO/IEC 8824-4:2008 [R2009]): 10/21/2014

INCITS/ISO/IEC 8825-1:2008 [2014], Information technology - ASN.1 encoding rules: Specification of Basic Encoding Rules (BER), Canonical Encoding Rules (CER) and Distinguished Encoding Rules (DER) (identical national adoption of ISO/IEC 8825-1:2008 and revision of INCITS/ISO/IEC 8825-1:2004 [R2009]): 10/21/2014

INCITS/ISO/IEC 8825-2:2008 [2014], Information technology - ASN.1 encoding rules: Specification of Packed Encoding Rules (PER) (identical national adoption of ISO/IEC 8825-2:2008 and revision of INCITS/ISO/IEC 8825-2:2004 [R2009]): 10/21/2014

INCITS/ISO/IEC 8825-3:2008 [2014], Information technology - ASN.1 encoding rules: Specification of Encoding Control Notation (ECN) (identical national adoption of ISO/IEC 8825-3:2008 and revision of INCITS/ISO/IEC 8825-3:2008 [R2009]): 10/21/2014

INCITS/ISO/IEC 8825-4:2008 [2014], Information technology - ASN.1 encoding rules: XML Encoding Rules (XER) (identical national adoption of ISO/IEC 8825-4:2008 and revision of INCITS/ISO/IEC 8825-4:2002 [R2009]): 10/21/2014

INCITS/ISO/IEC 10746-2:2009 [2014], Information technology - Open distributed processing - Reference model: Foundations (identical national adoption of ISO/IEC 10746-2:2009 and revision of INCITS/ISO/IEC 10746-2:2009 [R2009]): 10/21/2014

INCITS/ISO/IEC 10746-3:2009 [2014], Information technology - Open distributed processing - Reference model: Architecture (identical national adoption of ISO/IEC 10746-3:2009 and revision of INCITS/ISO/IEC 10746-3:1996 [R2009]): 10/21/2014

INCITS/ISO/IEC 11693-1:2012 [2014], Identification cards - Optical memory cards - Part 1: General characteristics (identical national adoption of ISO/IEC 11693-1:2012 and revision of INCITS/ISO/IEC 11693:2005 [2009]): 10/27/2014

INCITS/ISO/IEC 11694-1:2012 [2014], Identification cards - Optical memory cards - Linear recording method - Part 1: Physical characteristics (identical national adoption of ISO/IEC 11694-1:2012 and revision of INCITS/ISO/IEC 11694-1:2005 [2009]): 10/27/2014

INCITS/ISO/IEC 11694-2:2012 [2014], Identification cards - Optical memory cards - Linear recording method - Part 2: Dimensions and location of the accessible optical area (identical national adoption of ISO/IEC 11694-2:2012 and revision of INCITS/ISO/IEC 11694-2:2005 [2009]): 10/27/2014

Reaffirmation

INCITS/ISO/IEC 7501-1:2008 [R2014], Identification cards - Machine readable travel documents - Part 1: Machine readable passport (reaffirmation of INCITS/ISO/IEC 7501-1:2008 [2009]): 10/22/2014

INCITS/ISO/IEC 7501-3:2005 [R2014], Identification cards - Machine readable travel documents - Part 3: Machine readable official travel documents (reaffirmation of INCITS/ISO/IEC 7501-3:2005 [2009]): 10/22/2014

INCITS/ISO/IEC 7816-5:2004 [R2014], Identification cards - Integrated circuit cards - Part 5: Registration of application providers (reaffirmation of INCITS/ISO/IEC 7816-5:2004 [R2009]): 10/22/2014

INCITS/ISO/IEC 7816-6:2004 [R2014], Identification cards - Integrated circuit cards - Part 6: Interindustry data elements for interchange (reaffirmation of INCITS/ISO/IEC 7816-6:2004 [R2009]): 10/22/2014

INCITS/ISO/IEC 7816-7:1999 [R2014], Identification cards - Integrated circuit(s) cards with contacts - Part 7: Interindustry commands for Structured Card Query Language (SCQL) (reaffirmation of INCITS/ISO/IEC 7816-7:1999 [R2009]): 10/22/2014

INCITS/ISO/IEC 7816-8:2004 [R2014], Identification cards - Integrated circuit cards - Part 8: Commands for security operations (reaffirmation of INCITS/ISO/IEC 7816-8:2004 [R2009]): 10/22/2014

INCITS/ISO/IEC 7816-9:2004 [R2014], Identification cards - Integrated circuit cards - Part 9: Commands for card management (reaffirmation of INCITS/ISO/IEC 7816-9:2004 [R2009]): 10/22/2014

INCITS/ISO/IEC 7816-10:1999 [R2014], Identification cards - Integrated circuit(s) cards with contacts - Part 10: Electronic signals and answer to reset for synchronous cards (reaffirmation of INCITS/ISO/IEC 7816-10:1999 [R2009]): 10/22/2014

INCITS/ISO/IEC 7816-11:2004 [R2014], Identification cards - Integrated circuit cards - Part 11: Personal verification through biometric methods (reaffirmation of INCITS/ISO/IEC 7816-11:2004 [R2009]): 10/22/2014

INCITS/ISO/IEC 7816-15:2004 [R2014], Identification cards - Integrated circuit cards with contacts - Part 15: Cryptographic information application (reaffirmation of INCITS/ISO/IEC 7816-15:2004 [R2009]): 10/22/2014

INCITS/ISO/IEC 18013-1:2005 [R2014], Information technology - Personal identification - ISO-compliant driving licence - Part 1: Physical characteristics and basic data set (reaffirmation of INCITS/ISO/IEC 18013-1:2005 [R2009]): 10/22/2014

INCITS/ISO/IEC 24727-2:2008 [R2014], Identification cards - Integrated circuit card programming interfaces - Part 2: Generic card interface (reaffirmation of INCITS/ISO/IEC 24727-2:2008 [2009]): 10/22/2014

INCITS/ISO/IEC 24727-3:2008 [R2014], Identification cards - Integrated circuit card programming interfaces - Part 3: Application interface (reaffirmation of INCITS/ISO/IEC 24727-3:2008 [2009]): 10/27/2014

INCITS/ISO/IEC 24727-4:2008 [R2014], Identification cards - Integrated circuit card programming interfaces - Part 4: Application programming interface (API) administration (reaffirmation of INCITS/ISO/IEC 24727-4:2008 [2009]): 10/27/2014

Withdrawal

INCITS/ISO/IEC 14496-4:2004/AM15:2007 [2009], Information technology - Coding of audio-visual objects - Part 4: Conformance testing - Amendment 15: Lossless coding of oversampling audio conformance (withdrawal of INCITS/ISO/IEC 14496-4:2004/AM15:2007 [2009]): 10/27/2014

INCITS/ISO/IEC 14496-4:2004/AM19:2007 [2009], Information technology - Coding of audio-visual objects - Part 4: Conformance testing - Amendment 19: Lossless Coding (ALS) conformance (withdrawal of INCITS/ISO/IEC 14496-4:2004/AM19:2007 [2009]): 10/27/2014

INCITS/ISO/IEC 14496-4:2004/AM20:2008 [2009], Information technology - Coding of audio-visual objects - Part 4: Conformance testing - Amendment 20: Scalable to Lossless Coding (SLS) conformance (withdrawal of INCITS/ISO/IEC 14496-4:2004/AM20:2008 [2009]): 10/27/2014

INCITS/ISO/IEC 14496-4:2004/AM21:2008 [2009], Information technology - Coding of audio-visual objects - Part 4: Conformance testing - Amendment 21: Geometry and shadow conformance (withdrawal of INCITS/ISO/IEC 14496-4:2004/AM21:2008 [2009]): 10/27/2014

INCITS/ISO/IEC 14496-4:2004/AM22:2008 [2009], Information technology - Coding of audio-visual objects - Part 4: Conformance testing - Amendment 22: AudioBIFS v3 conformance (withdrawal of INCITS/ISO/IEC 14496-4:2004/AM22:2008 [2009]): 10/27/2014

UAMA (ASC B74) (Unified Abrasives Manufacturers' Association)

Reaffirmation

ANSI B74.3-2003 (R2014), Specifications for Shapes and Sizes of Diamond or CBN Abrasive Products (reaffirmation of ANSI B74.3-2003 (R2009)): 10/27/2014

UL (Underwriters Laboratories, Inc.)

New National Adoption

* ANSI/UL 60950-1-2014, Standard for Safety for Information Technology Equipment - Safety - Part 1: General Requirements (national adoption of IEC 60950-1 with modifications and revision of ANSI/UL 60950-1-2011a): 10/14/2014

Reaffirmation

ANSI/UL 1175-2010 (R2014), Standard for Safety for Buoyant Cushions (reaffirmation of ANSI/UL 1175-2010): 10/21/2014

Revision

ANSI/UL 48-2014, Electric Signs (revision of ANSI/UL 48-2012): 10/21/2014

ANSI/UL 498-2014a, Standard for Safety for Attachment Plugs and Receptacles (Proposal dated 05-23-14) (revision of ANSI/UL 498-2014): 10/22/2014

VITA (VMEbus International Trade Association (VITA))

New Standard

ANSI/VITA 48.7-2014, Mechanical Standard for Electronic Plug-In Units using Air Flow-by Cooling Technology (new standard): 10/27/2014

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 Drive
Suite 301
Arlington, VA 22203-1633

Contact: *Jennifer Moyer*

Fax: (703) 276-0793

E-mail: jmoyer@aami.org

BSR/AAMI/ISO 14117-201x, Active implantable medical devices - Electromagnetic compatibility - EMC test protocols for implantable cardiac pacemakers, implantable cardioverter defibrillators, and cardiac resynchronization devices (identical national adoption of ISO 14117, 2nd ed (in development) and revision of ANSI/AAMI/ISO 14117-2012)

Stakeholders: Manufacturers, regulators, users.

Project Need: Revises the test methodology for testing EM compatibility of implantable cardiac devices.

This document specifies a comprehensive test methodology for the evaluation of the electromagnetic (EM) compatibility of active implantable cardiovascular devices. The devices addressed by this standard include those that provide one or more therapies for bradycardia, tachycardia, and cardiac resynchronization. This document details test methods appropriate for the interference frequencies at issue. It specifies performance limits or requires disclosure of performance in the presence of EM emitters, where indicated.

ATIS (Alliance for Telecommunications Industry Solutions)

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Contact: *Kerriane Conn*

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BSR/ATIS 0900105-201x, Synchronous Optical Network (SONET) - Basic Description Including Multiplex Structure, Rates, and Formats (revision, redesignation and consolidation of ANSI/ATIS 0900105-2008 (R2013) and ANSI/ATIS 0900105.a-2010)

Stakeholders: Communication industry.

Project Need: To specify the multiplexing format and basic overhead definitions for the Synchronous Optical Network (SONET) signal.

The purpose of this standard is to specify the multiplexing format and basic overhead definitions for the Synchronous Optical Network (SONET) signal. Other standards in the ATIS 0900105.2008 series build upon this base document by providing additional detailed information about other specific aspects of SONET.

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

Office: 4317 NE Thurston Way
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Contact: *Mili Washington*

Fax: (360) 693-4858

E-mail: mili@iicrc.org

BSR/IICRC S320-201X, Standard for the Professional Assessment, Cleaning, and Restoration of Contents (new standard)

Stakeholders: Restoration and cleaning contractors; distributors of commercial cleaning goods, equipment and consumables; building service contractors; in-house or captive cleaning providers; managers and administrators of commercial facilities; manufacturers of goods and materials of contents covered in this standard; specification writers; design engineers; building engineers; architects; consultants; inspectors; health professionals.

Project Need: The restoration contents (personal property) cleaning industry does not currently have industry consensus standards on the proper principles, methods, and processes to clean and restore contents. There is a lack of consistent guidance on the assessment, inventory, pack-out, cleaning or restoration of contents. Having an ANSI standard for contents cleaning principles, methods and processes would provide guidance and a singular platform for the industry.

This standard will focus on the principles, methods, and processes to assess, inventory, pack-out, clean, restore, and enhance the appearance of contents. Contents are defined as materials, furniture, fixtures, and equipment located inside a building envelope. It is sometimes defined as personal property.

BSR/IICRC S400-201x, Standard for Cleaning, Maintenance, and Restoration of the Built Environment (new standard)

Stakeholders: Manufacturers of cleaning-related products; distributors of commercial cleaning goods, equipment, and consumables; building service contractors; in-house or captive cleaning providers; managers and administrators of commercial facilities; manufacturers of goods and materials for the commercial built environment; specification writers; design engineers; building engineers; architects; consultants; inspectors; health professionals.

Project Need: The commercial cleaning industry does not currently have industry consensus standards on the proper principles, methods, and processes to generally clean and maintain the built environment. The information that does exist is fragmented along product types or categories and much of it is influenced by parochial interests of manufacturers and other bodies. Having an ANSI standard for commercial cleaning principles, methods and processes would provide guidance and a singular platform for the industry.

The scope of this standard will focus on the principles, methods, and processes to clean, maintain, and restore the built environment. We define the built environment as materials, building assemblies, structures, furniture, fixtures, and equipment located inside a building envelope. Further, this standard will focus on the commercial built environment and define tasks, frequencies, production expectations, goals, and results.

NEMA (ASC C18) (National Electrical Manufacturers Association)

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* BSR C18.4-201x, Standard for Portable Cells and Batteries - Environmental (new standard)

Stakeholders: Battery manufactures, users, recycling organizations.

Project Need: Consolidate environmental requirements regarding batteries.

- Raise awareness that provisions in battery standards can affect the environment in negative and positive ways;
- Outline the relationship between battery standards and the environment;
- Help avoid provisions in battery standards that may lead to adverse environmental effects;
- Emphasize that addressing environmental aspects in battery standards is a complex process which requires a balance in competing priorities;
- Recommend the use of recognized scientific methodologies when developing battery standards that incorporate environmental aspects.

NEMA (ASC C8) (National Electrical Manufacturers Association)

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Contact: *Ryan Franks*

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E-mail: ryan.franks@nema.org

BSR NEMA WC 67-201x, Standard for Uninsulated Conductors Used in Electrical and Electronic Applications (revision of ANSI NEMA WC 67-2011)

Stakeholders: Users, producers, and other parties interested in wire and cable.

Project Need: Revisions necessary to reflect the current state of the art.

Covers the following uninsulated conductors:

- Single-end (solid) and stranded;
- Coated and uncoated copper;
- Coated copper alloy;
- Coated copper-clad steel;
- Aluminum conductors; and
- Thermocouple extension conductors.

These conductors are used primarily in insulated wires for aerospace, electrical, electronic and other high performance applications. Both metric and English (inch/pound) conductors are included in this standard. Where alternative units are shown in parenthesis, English (inch/pound) units shall be normative.

TAPPI (Technical Association of the Pulp and Paper Industry)

Office: 15 Technology Parkway South
Peachtree Corners, GA 30092

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Fax: (770) 446-6947

E-mail: standards@tappi.org

BSR/TAPPI T 220 om-2010 (R201x), Physical testing of pulp handsheets (reaffirmation of ANSI/TAPPI T 220 sp-2010)

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 ANSI/TAPPI standard in order to determine if a revision is needed to address new technology or correct errors.

This procedure describes the testing of pulp handsheets, prepared in accordance with TAPPI T 205, "Forming Handsheets for Physical Tests of Pulp" for their strength and other physical properties as well as their light-scattering coefficient.

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.

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|--|---|--|---|
| <p>AAMI Association for the Advancement of Medical Instrumentation</p> <p>4301 N Fairfax Drive Suite 301 Arlington, VA 22203-1633 Phone: (703) 253-8274 Fax: (703) 276-0793 Web: www.aami.org</p> | <p>CEMA Conveyer Equipment Manufacturers Association</p> <p>5672 Strand Court Suite 2 Naples, FL 34110 Phone: (239) 514-3441 Fax: (239) 514-3470 Web: www.cemanet.org</p> | <p>IICRC the Institute of Inspection, Cleaning and Restoration Certification</p> <p>4317 NE Thurston Way Suite #200 Vancouver, WA 98662 Phone: (360) 989-3030 Fax: (360) 693-4858 Web: www.thecleantrust.org</p> | <p>NSF NSF International</p> <p>789 N. Dixboro Road Ann Arbor, MI 48105 Phone: (734) 827-6819 Fax: (734) 827-7875 Web: www.nsf.org</p> |
| <p>API American Petroleum Institute</p> <p>1220 L Street, NW Washington, DC 20005-4070 Phone: (202) 682-8056 Fax: (202) 682-8051 Web: www.api.org</p> | <p>FM FM Approvals</p> <p>1151 Boston-Providence Turnpike Norwood, MA 02062 Phone: (781) 255-4813 Fax: (781) 762-9375 Web: www.fmglobal.com</p> | <p>ISA (Organization) ISA-The Instrumentation, Systems, and Automation Society</p> <p>PO Box 12277, 67 Alexander Drive Research Triangle Park, NC 27709 Phone: (919) 990-9228 Fax: (919) 549-8288 Web: www.isa.org</p> | <p>OEOSC (ASC OP) Optics and Electro-Optics Standards Council</p> <p>35 Gilbert Hill Rd. Chester, CT 06412 Phone: (860) 878-0722 Fax: (860) 555-1212 Web: www.optstd.org</p> |
| <p>ASABE American Society of Agricultural and Biological Engineers</p> <p>2950 Niles Road Saint Joseph, MI 49085 Phone: (269) 932-7015 Fax: (269) 429-3852 Web: www.asabe.org</p> | <p>HI Hydraulic Institute</p> <p>6 Campus Drive 1st Floor, North Parsippany, NJ 07054-4406 Phone: (973) 267-9700 x119 Fax: (973) 267-9055 Web: www.pumps.org</p> | <p>ISEA International Safety Equipment Association</p> <p>1901 North Moore Street Suite 808 Arlington, VA 22209 Phone: (703) 525-1695 Fax: (703) 525-1698 Web: www.safetysystem.org</p> | <p>TAPPI Technical Association of the Pulp and Paper Industry</p> <p>15 Technology Parkway South Peachtree Corners, GA 30092 Phone: (770) 209-7276 Fax: (770) 446-6947 Web: www.tappi.org</p> |
| <p>ASC X9 Accredited Standards Committee X9, Incorporated</p> <p>1212 West Street Suite 200 Annapolis, MD 21401 Phone: (410) 267-7707 Fax: (410) 267-0961 Web: www.x9.org</p> | <p>HL7 Health Level Seven</p> <p>3300 Washtenaw Avenue Suite 227 Ann Arbor, MI 48104 Phone: (734) 677-7777 Fax: (734) 677-6622 Web: www.hl7.org</p> | <p>ITI (INCITS) InterNational Committee for Information Technology Standards</p> <p>1101 K Street NW Suite 610 Washington, DC 20005-3922 Phone: (202) 626-5746 Fax: (202) 638-4922 Web: www.incits.org</p> | <p>TIA Telecommunications Industry Association</p> <p>1320 North Courthouse Road Suite 200 Arlington, VA 22201 Phone: (703) 907-7497 Fax: (703) 907-7727 Web: www.tiaonline.org</p> |
| <p>ASME American Society of Mechanical Engineers</p> <p>Two Park Avenue New York, NY 10016 Phone: (212) 591-8521 Fax: (212) 591-8501 Web: www.asme.org</p> | <p>IAPMO (ASSE Chapter) ASSE International Chapter of IAPMO</p> <p>18927 Hickory Creek Dr Suite 220 Mokena, IL 60448 Phone: (708) 995-3017 Fax: (708) 479-6139 Web: www.asse-plumbing.org</p> | <p>NEMA (ASC C8) National Electrical Manufacturers Association</p> <p>1300 North 17th Street Suite 1752 Rosslyn, VA 22209 Phone: (703) 841-3290 Fax: (703) 841-3398 Web: www.nema.org</p> | <p>UAMA (ASC B74) Unified Abrasive Manufacturers' Association</p> <p>30200 Detroit Road Cleveland, OH 44145-1967 Phone: (440) 899-0010 Fax: (440) 892-1404 Web: www.uama.org</p> |
| <p>ATIS Alliance for Telecommunications Industry Solutions</p> <p>1200 G Street, NW Suite 500 Washington, DC 20005 Phone: (202) 434-8841 Fax: (202) 347-7125 Web: www.atis.org</p> | <p>IEEE Institute of Electrical and Electronics Engineers (IEEE)</p> <p>445 Hoes Lane Piscataway, NJ 08854 Phone: (732) 562-3854 Fax: (732) 796-6966 Web: www.ieee.org</p> | <p>NISO National Information Standards Organization</p> <p>3600 Clipper Mill Road Suite 302 Baltimore, MD 21211 Phone: (301) 654-2512 Fax: (410) 685-5278 Web: www.niso.org</p> | <p>UL Underwriters Laboratories, Inc.</p> <p>333 Pfingsten Road Northbrook, IL 60062-2096 Phone: (847) 664-2850 Fax: (847) 664-2850 Web: www.ul.com</p> |
| <p>BPI Building Performance Institute</p> <p>107 Hermes Road Suite 110 Malta, NY 12020 Phone: (877) 274-1274 Fax: (866) 777-1274 Web: www.bpi.org</p> | <p>IAR International Institute of Ammonia Refrigeration</p> <p>1001 North Fairfax Street Alexandria, VA 22314 Phone: (703) 312-4200 Fax: (703) 312-0065 Web: www.iar.org</p> | | <p>VITA VMEbus International Trade Association (VITA)</p> <p>929 W. Portobello Avenue Mesa, AZ 85210 Phone: (613) 799-5745 Web: www.vita.com</p> |



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 Charles T. Zegers, General Secretary of the USNC (czegers@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

ADDITIVE MANUFACTURING (TC 261)

ISO/DIS 17296-1, Additive manufacturing - General principles - Part 1: Terminology - 11/29/2014, \$82.00

AGRICULTURAL FOOD PRODUCTS (TC 34)

ISO/DIS 11290-1, Microbiology of the food chain - Horizontal method for the detection and enumeration of *Listeria monocytogenes* and other *Listeria* spp. - Part 1: Detection method - 1/29/2015, \$107.00

AIRCRAFT AND SPACE VEHICLES (TC 20)

ISO/DIS 20205, Space data and information transfer systems - Spacecraft Onboard Interface Systems - Low Data-Rate Wireless Communications for Spacecraft Monitoring and Control - 11/28/2014, \$93.00

ISO/DIS 20207, Space data and information transfer systems - CCSDS Space Link Protocols over ETSI DVB-S2 Standard - 11/28/2014, \$82.00

INDUSTRIAL AUTOMATION SYSTEMS AND INTEGRATION (TC 184)

ISO/DIS 11354-2, Advanced automation technologies and their applications - Requirements for establishing manufacturing enterprise process interoperability - Part 2: Maturity model for assessing enterprise interoperability - 11/28/2014, FREE

TERMINOLOGY (PRINCIPLES AND COORDINATION) (TC 37)

ISO/DIS 24615-2, Language resource management - Syntactic annotation framework (SynAF) - Part 2: XML serialization (ISOTiger) - 2/6/2015, \$58.00

WATER QUALITY (TC 147)

ISO/DIS 18635, Water quality - Determination of short-chain polychlorinated alkanes (SCCPs) in sediment and suspended (particulate) matter - Method using gas chromatography-mass spectrometry (GC-MS) and negative-ion chemical ionization (NCI) - 1/29/2015, \$98.00

ISO/IEC JTC 1, Information Technology

ISO/IEC DIS 18000-63, Information technology - Radio frequency identification for item management - Part 63: Parameters for air interface communications at 860 MHz to 960 MHz Type C - 11/28/2014, \$245.00

IEC Standards

18/1432/FDIS, IEC 61892-7: Mobile and fixed offshore units - Electrical installations - Part 7: Hazardous areas, 11/28/2014

20/1501/Q, Revision of 60811: Electric and optical fibre cables - Test methods for non-metallic materials - Extension of first group, 11/07/2014

20/1504/CD, IEC 61238-1-1: Compression and mechanical connectors for power cables - Part 1-1: Test methods and requirements for compression and mechanical connectors for power cables for rated voltages up to 1 kV (Um = 1,2 kV) tested on stripped conductors, 01/09/2015

20/1505/CD, IEC 61238-1-2: Compression and mechanical connectors for power cables - Part 1-2: Test methods and requirements for insulation piercing connectors for power cables for rated voltages up to 1 kV (Um = 1,2 kV) tested on insulated conductors, 01/09/2015

20/1506/CD, IEC 61238-1-3: Compression and mechanical connectors for power cables - Part 1-3: Test methods and requirements for compression and mechanical connectors for power cables for rated voltages above 1 kV (Um = 1,2 kV) up to 30 kV (Um = 36 kV) tested on stripped conductors, 01/09/2015

20/1507/CD, IEC 62895: High Voltage Direct Current (HVDC) power transmission cables with extruded insulation and their accessories for rated voltages up to 320 kV for land applications - Test methods and requirements, 01/09/2015

20/1508/CD, IEC 62893-1: Charging cables for electric vehicles - Part 1: General requirements, 01/09/2015

20/1509/CD, IEC 62893-2: Charging cables for electric vehicles - Part 2: Test methods, 01/09/2015

20/1510/CD, IEC 62893-3: Charging cables for electric vehicles - Part 3: Cables for AC charging according to modes 1, 2 and 3 of IEC 61851-1, 01/09/2015

20/1518/CD, Amendment 1 to IEC 60811-201: Electric and optical fibre cables - Test methods for non-metallic materials - Part 201: General tests - Measurement of insulation thickness, 01/09/2015

20/1519/CD, Amendment 1 to IEC 60811-202: Electric and optical fibre cables - Test methods for non-metallic materials - Part 202: General tests - Measurement of thickness of non-metallic sheath, 01/09/2015

20/1520/CD, Amendment 1 to IEC 60811-410: Electric and optical fibre cables - Test methods for non-metallic materials - Part 410: Miscellaneous tests - Test method for copper-catalyzed oxidative degradation of polyolefin insulated conductors, 01/09/2015

- 20/1521/CD, Amendment 1 to IEC 60811-401: Electric and optical fibre cables - Test methods for non-metallic materials - Part 401: Miscellaneous tests - Thermal ageing methods - Ageing in an air oven, 01/09/2015
- 20/1522/CD, Amendment 1 to IEC 60811-508: Electric and optical fibre cables - Test methods for non-metallic materials - Part 508: Mechanical tests - Pressure test at high temperature for insulation and sheaths, 01/09/2015
- 20/1523/CD, Amendment 1 to IEC 60811-509: Electric and optical fibre cables - Test methods for non-metallic materials - Part 509: Mechanical tests - Test for resistance of insulations and sheaths to cracking (heat shock test), 01/09/2015
- 20/1524/CD, Amendment 1 to IEC 60811-511: Electric and optical fibre cables - Test methods for non-metallic materials - Part 511: Mechanical tests - Measurement of the melt flow index of polyethylene and polypropylene compounds, 01/09/2015
- 22H/185/CD, IEC 62040-5-3 Ed.1: Uninterruptible power systems (UPS) - Part 5-3: d.c. output UPS - Performance and test requirements, 11/28/2014
- 23H/312/NP, PNW 23H-312: IEC 62196: Plugs, socket-outlets, vehicle connectors and vehicle inlets - Conductive charging of electric vehicles - Part 3-1: Dimensional compatibility and interchangeability requirements for a.c./d.c. pin and contact-tube vehicle couplers - Combined a.c./d.c. accessories for use with IEC62196-2 Type 1 and Type 2 a.c. rated accessories and other combined a.c./d.c. accessories, for d.c. charging, 01/09/2015
- 29/855/FDIS, IEC 60118-4: Electroacoustics - Hearing aids - Part 4: Induction-loop systems for hearing aid purposes - System performance requirements, 11/28/2014
- 29/857/CD, IEC 60645-1: Electroacoustics - Audiometric equipment - Part 1: Equipment for pure-tone and speech audiometry (Revision of IEC 60645-1:2012 and IEC 60645 2:1992), 01/09/2015
- 31/1152/FDIS, IEC 60079-18/Ed4: Explosive atmospheres - Part 18: Equipment protection by encapsulation ""m"", 11/28/2014
- 32C/501/FDIS, IEC 60127-3/Ed3: Miniature fuses - Part 3: Sub-miniature fuse-links, 11/28/2014
- 46/530/FDIS, IEC 60966-2-7 Ed.1: Radio frequency and coaxial cable assemblies - Part 2-7: Detail specification for cable assemblies for radio and TV receivers - Frequency range 0 MHz to 3 000 MHz, IEC 61169-47 connectors, 11/28/2014
- 47F/195/CDV, IEC 62047-1 Ed.2: Semiconductor devices - Micro-electromechanical devices - Part 1: Terms and definitions, 01/09/2015
- 57/1507/DC, Draft IEC Technical Report: IEC TR 61850-90-2, Use of IEC 61850 for the communication between substations and control centres, 11/07/2014
- 59C/187/NP, Electric room heating, underfloor heating, characteristics of performance - Definitions, method of testing, sizing and formula symbols, 01/09/2015
- 61/4827/FDIS, IEC 60335-2-95-A1/Ed3: Household and similar electrical appliances - Safety - Part 2-95: Particular requirements for drives for vertically moving garage doors for residential use, 11/28/2014
- 62A/959/FDIS, IEC 60601-1-11: Medical electrical equipment - Part 1 -11: General requirements for basic safety and essential performance - Collateral Standard: Requirements for medical electrical equipment and medical electrical systems used in the home healthcare environment, 11/28/2014
- 65C/781/CDV, IEC 62439-x Ed 2.0: Industrial communication networks - High availability automation networks, 01/09/2015
- 65C/782/CDV, IEC 62591 Ed 2.0: Industrial communication networks - Wireless communication network and communication profiles - WirelessHART, 01/09/2015
- 65C/783/CDV, IEC 62601 Ed 2.0: Industrial communication networks - Wireless communication network and communication profiles - WIA-PA, 01/09/2015
- 80/739/CDV, IEC 61174 Ed.4: Maritime navigation and radiocommunication equipment and system - Electronic chart display and information system (ECDIS) - Operational and performance requirements, methods of testing and required test results, 01/09/2015
- 82/892/CD, IEC 62738 TS Ed.1: Design guidelines and recommendations for photovoltaic power plants, 11/28/2014
- 91/1207/FDIS, IEC 62014-4 Ed.1: IEEE Standard for IP-XACT, Standard Structure for Packaging, Integrating and Reusing IP within Tool flows (IEEE 1685-2009), 11/28/2014
- 91/1208/FDIS, IEC 62014-5 Ed.1: IEEE Standard for Quality of Electronic and Software Intellectual Property used in System and System on Chip (SoC) Designs (IEEE 1734-2011), 11/28/2014
- 91/1209/FDIS, IEC 61523-4 Ed.1: IEEE Standard for Design and Verification of Low-Power Integrated Circuits (IEEE 1801-2013), 11/28/2014
- 91/1210/FDIS, IEC 61189-5-2 Ed.1: Test methods for electrical materials, printed boards and other interconnection structures and assemblies - Part 5-2: Test methods for printed board assemblies: Soldering flux, 11/28/2014
- 91/1211/FDIS, IEC 61189-5-3 Ed.1: Test methods for electrical materials, printed boards and other interconnection structures and assemblies - Part 5-3: Test methods for printed board assemblies: Soldering paste, 11/28/2014
- 91/1212/FDIS, IEC 61189-5-4 Ed.1: Test methods for electrical materials, printed boards and other interconnection structures and assemblies - Part 5-4: Test methods for printed board assemblies: Solder alloys and fluxed and non-fluxed solid wire, 11/28/2014
- 107/248/DTS, IEC 62686-1 TS Ed.2: Process management for avionics - Electronic components for aerospace, defence and high performance (ADHP) applications - Part 1: General requirements for high reliability integrated circuits and discrete semiconductors, 01/09/2015
- 2/1767/CD, IEC 60034-12 Ed.3: Rotating electrical machines - Part 12: Starting performance of single-speed three-phase cage induction motors, 01/09/2015
- 2/1768/CD, IEC 60034-1 Ed.13: Rotating electrical machines - Part 1: Rating and performance, 01/09/2015
- 9/1965/CDV, IEC 62845 Ed.1: Railway applications - Radio remote control system of traction vehicles for shunting application, 01/09/2015
- 9/1966/CDV, IEC 62847 Ed.1: Railway applications - Rolling stock - Electrical connectors - Requirements and test methods, 01/09/2015
- 20/1527/NP, IEC 60754-3: Test on gases evolved during combustion of materials from cables - Part 3: Detection of low level of halogen content by ion chromatography, 01/09/2015
- 26/549/CDV, Amendment 1 to IEC 60974-10 Ed.3: Arc welding equipment - Part 10: Electromagnetic compatibility (EMC) requirements, 01/09/2015
- 26/554/CD, IEC 60974-4 Ed.3: Arc welding equipment - Part 4: Periodic inspection and testing, 01/09/2015
- 31J/244/FDIS, IEC 60079-10-2/Ed2: Explosive atmospheres - Part 10 -2: Classification of areas - Explosive dust atmospheres, 12/05/2014
- 34A/1809/FDIS, IEC 61167 Ed.3: Metal halide lamps - Performance specification, 12/05/2014
- 40/2310/CD, IEC 60384-3 Ed.4: Fixed capacitors for use in electronic equipment - Part 3: Sectional specification: Surface mount fixed tantalum electrolytic capacitors with manganese dioxide solid electrolyte, 01/09/2015
- 40/2315/CD, Amendment 1 to IEC 60384-14 Ed.4: Fixed capacitors for use in electronic equipment - Part 14: Sectional specification - Fixed capacitors for electromagnetic interference suppression and connection to the supply mains, 01/09/2015
- 40/2316/CD, IEC 62956 Ed.1: Hybrid electric double layer capacitors for use in electric and electronic equipment - Test methods for electrical characteristics, 01/09/2015

- 51/1067/CDV, IEC 62317-13 Ed.2: Ferrite cores - Dimensions - Part 13: PQ-cores for use in power supply applications, 01/09/2015
- 59/623/CD, IEC 62849 Ed.1: Performance evaluation method of household robot, 12/05/2014
- 61/4825/FDIS, IEC 60335-2-82-A2/Ed2: Household and similar electrical appliances - Safety - Part 2-82: Particular requirements for amusement machines and personal service machines, 12/05/2014
- 61/4826/FDIS, IEC 60335-2-111/Ed1: Household and similar electrical appliances - Safety - Part 2-111: Particular requirements for electric ondul mattress with a non-flexible heated part, 12/05/2014
- 62B/955/NP, Methods for calculating Size Specific Dose Estimate (SSDE) on Computed Tomography, 01/09/2015
- 62C/596A/CDV, Amendment 1 to IEC 60731: Medical electrical equipment - Dosimeters with ionization chambers as used in radiotherapy, 12/05/2014
- 64/1978/NP, Low-Voltage electrical installation - Part 5: Selection and erection of electrical equipment - Clause 57: Stationary secondary batteries, 01/09/2015
- 65/575/CD, IEC 61010-2-202 Ed.1: Safety requirements for electrical equipment for measurement, control and laboratory use - Part 2 -202: Particular requirements for electrically operated valve positioners, 01/09/2015
- 65C/786A/DC, Industrial communication networks - Profiles - Implicit data safety mechanisms for IEC 61784-3 functional safety communication profiles (FSCPs), 12/12/2014
- 82/893/FDIS, IEC 60904-2 Ed.3: Photovoltaic devices - Part 2: Requirements for photovoltaic reference devices, 12/05/2014
- 82/894/CD, IEC 62548 Ed.1: Photovoltaic (PV) arrays - Design requirements, 12/05/2014
- 82/901/NP, Photovoltaic devices - Part 13: Electroluminescence of photovoltaic modules (proposed future IEC TS 60904-13), 01/09/2015
- 86A/1630/FDIS, IEC 60794-3-10/Ed3: Optical fibre cables - Part 3-10: Outdoor cables - Family specification for duct, directly buried or lashed aerial optical telecommunication cables, 12/05/2014
- 90/347/NP, Residual resistance ratio measurement of Nb superconductors, 01/09/2015
- 91/1215/CD, IEC 61189-2-719 Ed.1: Test methods for electrical materials, printed board and other interconnection structures and assemblies - Part 2-719: Test methods for printed board and assembly materials - Relative permittivity and loss tangent (500MHz to 10GHz), 01/09/2015
- 110/613/NP, Future IEC 62715-5-1: Flexible display devices - Part 5-1: Measuring methods of optical performance with ambient illumination, 01/09/2015
- 111/353/NP, Determination of certain substances in electrotechnical products - Part 9: Hexabromocyclododecane in polymers by high pressure liquid chromatography-mass spectrometry (LC-MS), 01/09/2015
- 116/199/FDIS, IEC 62841-2-9/Ed1: Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 2-9: Particular requirements for hand-held tappers and threaders, 12/05/2014
- 9/1969/CDV, IEC 62505-1 Ed.2: Railway applications - Fixed installations - Particular requirements for alternating current switchgear - Part 1: Circuit-breakers with nominal voltage above 1 kV, 01/16/2015
- 9/1970/CDV, IEC 62505-2 Ed.2: Railway applications - Fixed installations - Particular requirements for alternating current switchgear - Part 2: Disconnectors, earthing switches and switches with nominal voltage above 1 kV, 01/16/2015
- 20/1528/FDIS, Amendment 1 to IEC 60702-1: Mineral insulated cables and their terminations with a rated voltage not exceeding 750 V - Part 1: Cables, 12/12/2014
- 20/1529/FDIS, Amendment 1 to IEC 60702-2: Mineral insulated cables and their terminations with a rated voltage not exceeding 750 V - Part 2: Terminations, 12/12/2014
- 20/1530/FDIS, IEC 60183: Guidance for the selection of high-voltage A.C. cable systems, 12/12/2014
- 23/691/NP, PNW 23-691: IEC 62735: D.C. Plugs and socket-outlets to be used in indoor access controlled areas - Part 2: Plug and socket-outlet system for 5,2 kW, 01/16/2015
- 23/692/DTS, IEC/TS 62735 Ed.1: D.C. plugs and socket-outlets for ICT equipment installed in data centres and telecom central offices, 01/16/2015
- 34A/1790/CDV, Amendment 1 to IEC 62532 Ed.1: Fluorescent induction lamps - Safety specifications, 01/16/2015
- 34A/1792/CDV, Amendment 1 to IEC 62717 Ed.1: LED modules for general lighting - Performance requirements, 01/16/2015
- 40/2322/FDIS, IEC 62813 Ed.1: Lithium ion capacitors for use in electric and electronic equipment - Test methods for electrical characteristics, 12/12/2014
- 51/1068/CDV, Amendment 1 to IEC 62333-2 Ed.1: Noise suppression sheet for digital devices and equipment - Part 2: Measuring method, 01/16/2015
- 57/1510/DC, Draft IEC TR 61850-90-10: Communication networks and systems for power utility automation - Part 90-10: IEC 61850 objects for scheduling, 12/05/2014
- 57/1514/DC, Proposal of an IEC Technical Report: Resilience and Security Recommendations for Power Systems with Distributed Energy Resources (DER) Cyber-Physical Systems (proposed IEC TR 62351-12), 01/16/2015
- 61/4837/FDIS, IEC 60335-2-65-A2/Ed2: Household and similar electrical appliances - Safety - Part 2-65: Particular requirements for air-cleaning appliances, 12/12/2014
- 66/542/CDV, IEC 61010-2-020 Ed.3: Safety requirements for electrical equipment for measurement, control, and laboratory use - Part 2 -020: Particular requirements for laboratory centrifuges, 01/16/2015
- 66/544/FDIS, IEC 61010-2-081 Ed.2: Safety requirements for electrical equipment for measurement, control and laboratory use - Part 2 -081: Particular requirements for automatic and semi-automatic laboratory equipment for analysis and other purposes, 12/12/2014
- 66/545/FDIS, IEC 61010-2-101 Ed.2: Safety requirements for electrical equipment for measurement, control and laboratory use - Part 2 -101: Particular requirements for in vitro diagnostic (IVD) medical equipment, 12/12/2014
- 77B/722/CD, IEC 61000-4-9: Electromagnetic Compatibility (EMC) - Part 4-9: Testing and measurement techniques - Impulse magnetic field immunity test, 01/16/2015
- 81/464/CDV, IEC 62858 Ed.1: Lightning density based on lightning location systems - General principles, 01/16/2015
- 81/466/CDV, IEC 62793 Ed.1: Protection against lightning - Thunderstorm warning systems, 01/16/2015
- 82/903/NP, Measurement procedures for materials used in photovoltaic modules - Part 3-1: Polymeric materials for photovoltaic (PV) modules - Backrail attachment (proposed future IEC 62788-3 -1), 01/16/2015
- 82/904/NP, Primary Optics for Concentrator Photovoltaic Systems (Future IEC 629XX TS Ed.1), 01/16/2015
- 86B/3845/FDIS, IEC 61755-2-4/Ed1: Fibre optic interconnecting devices and passive components -Connector optical interfaces - Part 2-4: Connection parameters of non-dispersion shifted single-mode physically contacting fibres - Non-angled for reference connection applications, 12/12/2014
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- 89/1237A/FDIS, IEC 60695-1-12/Ed1: Fire hazard testing - Part 1-12: Guidance for assessing the fire hazard of electrotechnical products - Fire safety engineering, 11/14/2014
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- 105/523/CD, IEC 62282-3-201 Ed.2: Fuel cell technologies - Part 3 -201: Stationary fuel cell power systems - Performance test methods for small fuel cell power systems, 01/16/2015
- 8/1375/CD, IEC/TS 62913-1 Ed.1: Generic Smart Grid Requirements - Part 1 - Specific Application of Methods & Tools for defining Generic Smart Grid Requirements, 01/23/2015
- 8/1376/CD, IEC/TS 62913-2-1 Ed.1: Generic Smart Grid Requirements - Part 2-1: Grid related Domains, 01/23/2015
- 8/1377/CD, IEC/TS 62913-2-2 Ed.1: Generic Smart Grid Requirements - Part 2-2: Market related Domain, 01/23/2015
- 8/1378/CD, IEC/TS 62913-2-3 Ed.1: Generic Smart Grid Requirements - Part 2-3: Resources connected to the Grid Domains, 01/23/2015
- 8/1379/CD, IEC/TS 62913-2-4 Ed.1: Generic Smart Grid Requirements - Part 2-4: Electric Transportation Domain, 01/23/2015
- 8/1380/CD, IEC/TS 62913-2-5 Ed.1: Generic Smart Grid Requirements - Part 2-5: Support Functions Domains, 01/23/2015
- 20/1548/NP, IEC 6XXXX-1: Electric cables - Halogen-free thermoplastic insulated and sheathed flexible cables of rated voltages up to and including 300/300 V - Part 1: General requirements, 01/23/2015
- 20/1549/NP, IEC 6XXXX-2: Electric cables - Halogen-free thermoplastic insulated and sheathed flexible cables of rated voltages up to and including 300/300 V - Part 2: Test methods, 01/23/2015
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- 21/848/FDIS, IEC 62485-4: Safety requirements for secondary batteries and battery installations - Part 4: Valve-regulated lead-acid batteries for use in portable appliances, 12/19/2014
- 34C/1115/NP, PNW 34C-1115: IEC 62386-302: Digital addressable lighting interface - Part 302: Particular requirements - Input devices - Absolute input devices, 01/23/2015
- 34C/1116/NP, PNW 34C-1116: IEC 62386-303: Digital addressable lighting interface - Part 303: Particular requirements - Input devices - Occupancy senso, 01/23/2015
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- 46/526/CDV, IEC 60966-2-6: Cable assemblies - Part 2-6: Detail specification for cable assemblies for radio and TV receivers - Frequency range 0 MHz to 3 000 MHz, IEC 61169-24 connectors, 01/23/2015
- 59A/193/CD, IEC 60704-2-3 Ed.3: Household and similar electrical appliances - Test code for the determination of airborne acoustical noise - Part 2-3: Particular requirements for dishwashers, 01/23/2015
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- 65/577/CD, IEC 62890: Life-cycle management for systems and products used in industrial-process measurement, control and automation, 01/23/2015
- 65B/953/NP, IEC 61987-24-2 Ed 1.0: Industrial-Process Measurement and Control - Data Structures and Elements in Process Equipment Catalogues - Part 24-2: List of Properties (LOP) of valve/actuator accessories for electronic data exchange - IEC 61987-24-3 Ed 1.0: Industrial-Process Measurement and Control - Data Structures and Elements in Process Equipment Catalogues - Part 24-3: List of Properties (LOP) of flow modification accessories for electronic data exchange, 01/23/2015
- 65E/432/CD, IEC 62264-5 Ed. 2.0: Enterprise-Control System Integration - Part 5: Business to manufacturing transactions, 12/19/2014
- 65E/434/CD, IEC 62264-3 Ed.2.0: Enterprise-Control System Integration - Part 3: Activity models of manufacturing operations management, 12/19/2014
- 77B/724/CD, IEC 61000-4-10: Electromagnetic Compatibility (EMC) - Part 4-10: Testing and measurement techniques - Damped oscillatory magnetic field immunity test, 01/23/2015
- 80/743/CD, IEC 62323-2 Ed.2: Maritime navigation and radiocommunication equipment and systems - Automatic identification system (AIS) - Part 2: AIS AtoN Stations - Operational and performance requirements, methods of testing and required test results, 01/23/2015
- 86/475/CD, IEC 62496-2/Ed1: Optical circuit boards - Basic test and measurement procedures - Part 2: General guidance for definition of measurement conditions for optical characteristics of optical circuit boards, 01/23/2015
- 87/554/DTS, IEC TS 62791: Ultrasonics - Pulse-echo scanners - Low-echo sphere phantoms and method for performance testing of gray-scale medical ultrasound scanners applicable to a broad range of transducer types, 01/23/2015
- 87/556/CD, IEC 62736: Ultrasonics - Pulse-Echo Scanners - Quality Control of Diagnostic Medical Ultrasound Systems - Simple Methods for Periodic Testing to Verify Stability of an Imaging System's Elementary Performance, 01/23/2015
- 89/1235/CDV, IEC 60695-1-20/Ed1: Fire hazard testing - Part 1-20: Guidance for assessing the fire hazard of electrotechnical products - Ignitability - General guidance, 01/23/2015
- 90/348/NP, IEC 61788-XX: Superconductivity - Part XX: Critical current measurement - Retained critical current after double bending at room temperature of Ag-sheathed Bi-2223 superconducting wires, 01/23/2015
- 100/2410/NP, IEC 61937-X: Digital audio - Interface for non-linear PCM encoded audio bitstreams applying IEC 60958 - Part X: MPEG-H 3D Audio (TA 4), 01/23/2015
- 106/319/CDV, IEC 62209-1: Human exposure to radio frequency fields from hand-held and body-mounted wireless communication devices - Human models, instrumentation, and procedures - Part 1: Procedure to determine the specific absorption rate (sar) for devices used next to the ear (frequency range of 300 mhz to 6 ghz), 01/23/2015
- CIS/H/285/DC, Interference model in the frequency range 9 kHz - 150 kHz, 12/19/2014
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- 14/793/CDV, IEC 60076-10-1 Ed.2: Power transformers - Part 10-1: Determination of sound levels - Application guide, 01/30/2015
- 18/1435/CD, IEC 60092-201: Electrical installations in ships - Part 201: System design - General, 01/30/2015
- 20/1551/DTR, IEC TR 61901: Tests recommended on cables with a longitudinally applied metal foil for rated voltages above 30 kV (Um = 36 kV), 01/09/2015
- 22E/156/CD, IEC 61204-3 Ed.3: Low voltage power supplies, d.c. output - Part 3: Electromagnetic compatibility (EMC), 01/30/2015

- 23A/724/CDV, IEC 61914 Ed.2: Cable cleats for electrical installations, 01/30/2015
- 23J/385/NP, PNW 23J-385: IEC 61058-2-6 Ed.1: Switches for appliances - Part 2-6: Particular requirements for switches used in electric motor-operated hand-held tools, transportable tools and lawn and garden machinery, 01/30/2015
- 29/849/CDV, IEC 61669: Electroacoustics - Measurement of real-ear acoustical performance characteristics of hearing aids, 01/30/2015
- 29/851/CDV, IEC 60601-2-66: Medical electrical equipment - Part 2 -66: Particular requirements for the basic safety and essential performance of hearing instruments and hearing instrument systems, 01/30/2015
- 29/858/CD, IEC TS 62866: Hearing aids - Method for measuring electroacoustic performance up to 16 kHz, 01/02/2015
- 31/1156/FDIS, IEC 60079-5/Ed4: Explosive atmospheres - Part 5: Equipment protection by powder filling ""q"", 01/09/2015
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- 34A/1811/FDIS, IEC 60968 Ed.3: Self-ballasted fluorescent lamps for general lighting services - Safety requirements, 01/09/2015
- 34C/1118/FDIS, IEC 61347-1 Ed.3: Lamp controlgear - Part 1: General and safety requirements, 01/09/2015
- 40/2336/CD, IEC 60384-15 Ed.2: Fixed capacitors for use in electronic equipment - Part 15: Sectional specification - Fixed tantalum capacitors with non-solid or solid electrolyte, 01/30/2015
- 46F/295/FDIS, IEC 61169-51 Ed.1.0: Radio-frequency connectors - Part 51: Sectional specification for RF coaxial connectors with inner diameter of outer conductors 13,5 mm with bayonet lock - Characteristic impedance 50 Ω (type QLI), 01/09/2015
- 47F/200/CDV, IEC 62047-26 Ed.1: Semiconductor devices - Micro-electromechanical devices - Part 26: Description and measurement methods for micro trench and needle structures, 01/30/2015
- 59M/61/FDIS, IEC 62552-1 Ed.1: Household refrigerating appliances - Characteristics and test methods - Part 1: General requirements, 01/09/2015
- 59M/62/FDIS, IEC 62552-2 Ed.1: Household refrigerating appliances - Characteristics and test methods - Part 2: Performance requirements, 01/09/2015
- 59M/63/FDIS, IEC 62552-3 Ed.1: Household refrigerating appliances - Characteristics and test methods - Part 3: Energy consumption and volumes, 01/09/2015
- 61/4841/FDIS, IEC 60335-2-81/Ed3: Household and similar electrical appliances - Safety - Part 2-81: Particular requirements for foot warmers and heating mats, 01/09/2015
- 61/4842/FDIS, IEC 60335-2-58-A2/Ed3: Household and similar electrical appliances - Safety - Part 2-58: Particular requirements for commercial electric dishwashing machines, 01/09/2015
- 61J/604/CDV, IEC 60335-2-67-A1/Ed4: Household and similar electrical appliances - Safety - Part 2-67: Particular requirements for floor treatment machines for commercial use, 01/30/2015
- 61J/605/CDV, IEC 60335-2-68-A1/Ed4: Household and similar electrical appliances - Safety - Part 2-68: Particular requirements for spray extraction machines for commercial use, 01/30/2015
- 62A/971/CD, IEC TR 60601-4-2: Medical electrical equipment - Part 4 -2: Guidance and interpretation - Electromagnetic immunity; performance of medical electrical equipment and medical electrical systems, 01/09/2015
- 62A/972/DTR, IEC TR 60878: Graphical symbols for electrical equipment in medical practice, 01/09/2015
- 62D/1176/CD, ISO 80369-1: Small-bore connectors for liquids and gases in healthcare applications - Part 1: General requirements, 01/02/2015
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- 62D/1179/DC, ISO 80601-2-56 on clinical thermometers - Working draft is available for comments and vote to skip the CD stage and go to CDV/DIS stage is open until 12-05-2014, 12/05/2014
- 62D/1182/CD, ISO 80601-2-61: Medical electrical equipment - Part 2 -61: Particular requirements for basic safety and essential performance of pulse oximeter equipment, 01/02/2015
- 64/1976/CDV, IEC 61140: Protection against electric shock - Common aspects for installation and equipment, 01/30/2015
- 65/580/FDIS, IEC 62708 Ed.1: Document kinds for electrical and instrumentation projects in the process industry, 01/09/2015
- 65B/954/FDIS, IEC 61285 Ed.3: Industrial-process control - Safety of analyser houses, 01/09/2015
- 85/490/FDIS, IEC 62792: Measurement method for the output of electroshock weapons, 01/09/2015
- 89/1241/FDIS, IEC 60695-1-20/Ed2: Fire hazard testing - Part 11-20: Test flames - 500 W flame test methods, 01/09/2015
- 94/377/FDIS, IEC 62246-1 Ed.3: Reed switches - Part 1: Generic specification, 01/09/2015
- 110/595/CDV, IEC 62341-6-2 Ed.2: Organic light emitting diode (OLED) displays - Part 6-2: Measuring methods of visual quality and ambient performance, 01/30/2015
- CIS/F/652/FDIS, CISPR 14-2: Electromagnetic compatibility - Requirements for household appliances, electric tools and similar apparatus - Part 2: Immunity - Product family standard, 01/09/2015
- CIS/I/491/FDIS, Amendment 1 to CISPR 13: Sound and television broadcast receivers and associated equipment - Radio disturbance characteristics - Limits and methods of measurement, 01/09/2015
- JPC2/42/FDIS, ISO/IEC 13273-1: Energy efficiency and renewable energy sources - Common international terminology - Part 1: Energy efficiency, 01/09/2015
- JPC2/43/FDIS, ISO/IEC 13273-2: Energy efficiency and renewable energy sources - Common international terminology - Part 2: Renewable energy sources, 01/09/2015



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

ISO/IEC JTC 1 Technical Reports

[ISO/IEC TR 11801-9901:2014](#), Information technology - Generic cabling for customer premises - Part 9901: Guidance for balanced cabling in support of at least 40 Gbit/s data transmission, \$199.00

AGRICULTURAL FOOD PRODUCTS (TC 34)

[ISO 2451:2014](#), Cocoa beans - Specification, \$99.00

AIRCRAFT AND SPACE VEHICLES (TC 20)

[ISO 27027:2014](#), Aerospace - Solid-state remote power controllers - General performance requirements, \$132.00

CRANES (TC 96)

[ISO 9928-2:2014](#), Cranes - Crane operating manual - Part 2: Mobile cranes, \$58.00

INFORMATION AND DOCUMENTATION (TC 46)

[ISO 10161-2:2014](#), Information and documentation - Open Systems Interconnection - Interlibrary Loan Application Protocol Specification - Part 2: Protocol implementation conformance statement (PICS) proforma, \$173.00

MICROBEAM ANALYSIS (TC 202)

[ISO 14594:2014](#), Microbeam analysis - Electron probe microanalysis - Guidelines for the determination of experimental parameters for wavelength dispersive spectroscopy, \$123.00

[ISO 14595:2014](#), Microbeam analysis - Electron probe microanalysis - Guidelines for the specification of certified reference materials (CRMs), \$114.00

OPTICS AND OPTICAL INSTRUMENTS (TC 172)

[ISO 17328:2014](#), Optics and photonics - Optical materials and components - Test method for refractive index of infrared optical materials, \$114.00

SHIPS AND MARINE TECHNOLOGY (TC 8)

[ISO 16556:2014](#), Large yachts - Deck equipment - Anchoring equipments, \$77.00

[ISO 18296:2014](#), Ships and marine technology - Ship-shifting winches, \$77.00

[ISO 18309:2014](#), Ships and marine technology - Incinerator sizing and selection - Guidelines, \$77.00

[ISO 17325-2:2014](#), Ships and marine technology - Marine environment protection - Oil booms - Part 2: Strength and performance requirements, \$66.00

TECHNICAL SYSTEMS AND AIDS FOR DISABLED OR HANDICAPPED PERSONS (TC 173)

[ISO 17069:2014](#), Accessible design - Consideration and assistive products for accessible meeting, \$123.00

TRANSPORT INFORMATION AND CONTROL SYSTEMS (TC 204)

[ISO 29281-2/Amd1:2014](#), Intelligent transport systems - Communication access for land mobiles (CALM) - Non-IP networking - Part 2: Legacy system support - Amendment 1, \$22.00

ISO Technical Reports

TOBACCO AND TOBACCO PRODUCTS (TC 126)

[ISO/TR 19478-1:2014](#), ISO and Health Canada intense smoking parameters - Part 1: Results of an international machine smoking study, \$224.00

IEC Standards

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

[IEC 61169-48 Ed. 1.0 b:2014](#), Radio-frequency connectors - Part 48: Sectional specification for series BMP R.F. coaxial connectors, \$206.00

[IEC 61169-50 Ed. 1.0 b:2014](#), Radio-frequency connectors - Part 50: Sectional specification for RF coaxial connectors with inner diameter of outer conductors 4,11 mm with quick lock system - Characteristics impedance 50 Ohm (type QMA), \$157.00

ELECTRICAL ACCESSORIES (TC 23)

[IEC 60320-3 Ed. 1.0 b:2014](#), Appliance couplers for household and similar general purposes - Part 3: Standard sheets and gauges, \$351.00

INSULATING MATERIALS (TC 15)

[IEC 60684-3-284 Ed. 1.0 en:2014](#), Flexible insulating sleeving - Part 3: Specifications for individual types of sleeving - Sheet 284: Heat-shrinkable sleeveings, for oil barrier applications, \$61.00

INSULATION CO-ORDINATION (TC 28)

[IEC 60071-SER Ed. 1.0 b:2014](#), Insulation co-ordination - ALL PARTS, \$1214.00

[IEC 60071-5 Ed. 1.0 b:2014](#), Insulation co-ordination - Part 5: Procedures for high-voltage direct current (HVDC) converter stations, \$363.00

TOOLS FOR LIVE WORKING (TC 78)

[IEC 61481-1 Ed. 1.0 b:2014](#), Live working - Phase comparators - Part 1: Capacitive type to be used for voltages exceeding 1 kV a.c., \$351.00

[IEC 61481-2 Ed. 1.0 b:2014](#), Live working - Phase comparators - Part 2: Resistive type to be used for voltages from 1kV to 36 kV a.c., \$351.00

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 rely 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

Approvals of Reaccreditations

ASC I14 – Window Cleaning Safety

At the direction of ANSI's Executive Standards Council (ExSC), the reaccreditation of Accredited Standards Committee I14, Window Cleaning Safety has been approved under its recently revised operating procedures for documenting consensus on ASC I14-sponsored American National Standards, effective October 29, 2014. For additional information, please contact the Secretariat of ASC I14: Mr. Mark Bennett, ASC I14 Secretary, Executive Director, International Window Cleaning Association, 1100-H Brandywine Boulevard, Zanesville, OH 43701-7303; phone: 614.501.1100, ext. 3187; e-mail: mbennett@offinger.com.

Window Covering Manufacturing Association (WCMA)

At the direction of ANSI's Executive Standards Council (ExSC), the reaccreditation of the Window Covering Manufacturing Association (WCMA), an ANSI organizational member, has been approved under its recently revised operating procedures for documenting consensus on WCMA-sponsored American National Standards, effective October 29, 2014. For additional information, please contact: Mr. Tim Bennett, Window Covering Manufacturers Association, 355 Lexington Avenue, Suite 1500, New York, NY 10017-6603; phone: 212.297.2108; e-mail: TBennett@kellenccompany.com.

Withdrawal of ASD Accreditation

Partnership for Quality Medical Donations (PQMD)

The Partnership for Quality Medical Donations (PQMD) has requested the formal withdrawal of its status as an ANSI-Accredited Standards Developer. PQMD currently maintains no American National Standards. This action was taken, effective October 24, 2014. For additional information, please contact: Ms. Kimberlin Keller, Senior Manager, Corporate Communications, Partnership for Quality Medical Donations, Johnson & Johnson, One J & J Plaza, New Brunswick, NJ 08977; phone: 732.524.6174; e-mail: kkelle29@its.jnj.com.

ANSI Accreditation Program for Third Party Product Certification Agencies

Initial Accreditations

Administrative Management Systems, Inc.

Comment Deadline: December 1, 2014

Terry Schaefer
Administrative Management Systems, Inc.
 PO Box 730
 100 W. Main St
 Sackets Harbor, NY 13685
 website: www.amscert.com
 E-mail: tschaefer@amscert.com

On October 27, 2014, the ANSI Accreditation Committee voted to approve a grant of Initial Accreditation to Administrative Management Systems for the following scopes:

ISO/IEC 17065:2012, Conformity assessment – Requirement for bodies certifying products, processes and services

ACCREDITED SCOPES

- 81 GLASS AND CERAMICS INDUSTRIES
 - 81.040 Glass
 - 81.040.20 Glass in building
- 91 CONSTRUCTION MATERIALS AND BUILDING
 - 91.060 Elements of buildings
 - 91.060.50 Doors and windows

Please send your comments by December 1, 2014 to Reinaldo Balbino Figueiredo, Senior Program Director, Product Certifier Accreditation, American National Standards Institute, 1899 L Street, NW, 11th Floor, Washington, DC 20036, Fax: 202-293-9287 or e-mail: rfigureir@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.

National Accreditation & Management Institute, Inc.

Comment Deadline: December 1, 2014

Thomas Wix
National Accreditation & Management Institute, Inc.
 4794 George Washington Memorial Hwy,
 Hayes, VA 23072
 Website: <http://www.namicertification.com>
 E-mail: Tom@namiinc.com

On October 27, 2014, the ANSI Accreditation Committee voted to approve a grant of Initial ISO/IEC 17065 Accreditation to National Accreditation & Management Institute, Inc. for the following scopes:

ISO/IEC 17065:2012, Conformity assessment – Requirement for bodies certifying products, processes and services

- 13 ENVIRONMENT. HEALTH PROTECTION. SAFETY
 - 13.220 Protection against fire
 - 13.220.50 Fire-resistance of building materials and elements
- 81 GLASS AND CERAMICS INDUSTRIES
 - 81.040 Glass
 - 81.040.20 Glass in building
- 91 CONSTRUCTION MATERIALS AND BUILDING
 - 91.060 Elements of buildings
 - 91.060.50 Doors and windows
 - 91.100 Construction materials
 - 91.100.60 Thermal and sound insulating materials

Please send your comments by December 1, 2014 to Reinaldo Balbino Figueiredo, Senior Program Director, Product Certifier Accreditation, American National Standards Institute, 1899 L Street, NW, 11th Floor, Washington, DC 20036, Fax: 202-293-9287 or e-mail: rfigureir@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.

International Organization for Standardization (ISO)

Call for comments

ISO/TMB – Standards under Systematic Review

ISO/IEC Guide 98-4:2012

Every International Standard published by ISO shall be subject to systematic review in order to determine whether it should be confirmed, revised/amended, converted to another form of deliverable, or withdrawn at least once every five years.

ISO has launched Systematic Review ballots on the following standards that are the responsibility of the ISO/TMB:

- ISO/IEC Guide 98-4:2012, Uncertainty of measurement -- Part 4: Role of measurement uncertainty in conformity assessment

As there is no accredited U.S. TAG to provide the U.S. consensus positions on this document, we are seeking comments from any directly and materially affected parties.

Organizations or individuals interested in submitting comments or in requesting additional information should contact ISOT@ansi.org.

ISO/IEC Guides

Comment Deadline: January 30, 2015

Every International Standard published by ISO shall be subject to systematic review in order to determine whether it should be confirmed, revised/amended, converted to another form of deliverable, or withdrawn at least once every five years.

ISO has launched Systematic Review ballots on the following standards that are the responsibility of the ISO/TMB:

ISO/IEC Guide 2:2004, Standardization and Related Activities – General Vocabulary

ISO/IEC Guide 59:1994, Code of Good Practice for Standardization

ISO/IEC Guide 76:2008, Development of Service Standards – Recommendations for Addressing Consumer Issues

ISO/IEC Guide 99:2007, International Vocabulary of Metrology – Basic and General Concepts and Associated Terms (VIM)

As there is no accredited U.S. TAG to provide the U.S. consensus positions on these documents, we are seeking comments from any directly and materially affected parties.

Organizations or individuals requesting additional information should contact ANSI's ISO Team (isot@ansi.org) with submission of comments to Steve Cornish (scornish@ansi.org) by close of business on Friday, January 30, 2015.

Call for US/TAG Administrator

ISO/TC 131/SC 2 – Pumps, motors and integral transmissions

ANSI has been informed that, National Fluid Power Association (NFPA), the ANSI accredited US/TAG administrator for ISO/TC 131/SC 2, wishes to relinquish the role as US/TAG administrator. ANSI has changed its membership status to Non-Member .

ISO/TC 131/SC 2 operates under the following scope:

Standardization in the field of fluid power systems and components, comprising terminology, construction, principal dimensions, safety requirements and testing and inspection methods.

To include such components as: accumulators, compressed air dryers, conductors (rigid and flexible), cylinders, electro-hydraulic and electro-pneumatic components and systems, fittings, fluidic devices, hose fittings and assemblies, filters and separators, fluids, hydraulic pumps, motors, moving-part fluid- controls, pneumatic lubricators, regulators, quick-action couplings, reservoirs, sealing devices, valves.

Organizations interested in serving as the US/TAG administrator should contact ISOT@ansi.org.

Establishment of New ISO Subcommittees

ISO/TC 22 – Road Vehicles

Eleven new subcommittees

TC 22, Road vehicles, has reorganized its committee structure and has created the following new ISO Subcommittees:

- TC 22/SC 31 – Data communication. The secretariat has been assigned to Germany (DIN).

- TC 22/SC 32 – Electrical and electronic components and general system aspects. The secretariat has been assigned to Japan (JISC).

- TC 22/SC 33 – Vehicle dynamics and chassis components. The secretariat has been assigned to Germany (DIN).

- TC 22/SC 34 – Propulsion, powertrain and powertrain fluids. The secretariat has been assigned to the United States (ANSI).

- TC 22/SC 35 – Lighting and visibility. The secretariat has been assigned to Italy (UNI).

- TC 22/SC 36 – Safety aspects and impact testing. The secretariat has been assigned to France (AFNOR).

- TC 22/SC 37 – Electrically propelled vehicles. The secretariat has been assigned to Germany (DIN).

- TC 22/SC 38 – Motorcycles and mopeds. The secretariat has been assigned to Italy (UNI).

- TC 22/SC 39 – Ergonomics. The secretariat has been assigned to the United States (ANSI).

- TC 22/SC 40 – Specific aspects for commercial vehicles, busses and trailers. The secretariat has been assigned to Italy (UNI).

- TC 22/SC 41 – Specific aspects for gaseous fuels. The secretariat has been assigned to Italy (UNI).

The previous Subcommittees under TC 22 will be disbanded.

SAE International has committed to administer the US/TAGs. Organizations interested in participating on the US/TAGs should contact ANSI's ISO Team at isot@ansi.org.

ISO/TC 188/SC 2 – Engines and Propulsion Systems

TC 188, Small craft, has created a new ISO Subcommittee on Engines and propulsion systems (TC 188/SC 2). The secretariat has been assigned to Sweden (SIS).

The American Boat and Yacht Council (ABYC) has committed to administer the US/TAG. Organizations interested in participating on the US/TAG should contact ANSI's ISO Team at isot@ansi.org.

ISO Proposal for a New Field of ISO Technical Activity

TC 272 – Forensic Sciences

Comment Deadline: December 12, 2014

Standards Australia (SA) as the secretariat of ISO Project Committee 272 (Forensic sciences) has submitted to ISO a proposal for the conversion of the project committee into a new ISO technical committee, with the following scope statement:

Standardization and guidance in the field of Forensic Science. This includes the development of standards that pertain to laboratory and field based forensic science techniques and methodology in broad general areas such as the detection and collection of physical evidence, the subsequent analysis and interpretation of the evidence, and the reporting of results and findings.

Excludes:

- Generic quality management standards dealt with by ISO/TC 176

- Conformity assessment guidelines dealt with by the ISO committee on conformity assessment (CASCO)

Further explanation and rationale is provided in the proposal document.

Anyone wishing to review this new proposal can request a copy by contacting ANSI's ISO Team (isot@ansi.org) with submission of comments to Steve Cornish (scornish@ansi.org) by close of business on Friday, December 12, 2014.

Meeting Notices

AHRI Meetings

Revision of AHRI Standard 740, Refrigerant Recover/Recycling Equipment

The Air-Conditioning, Heating, and Refrigeration Institute (AHRI) will be holding an online meeting on November 3 from 2 p.m. to 3 p.m. If you are interested in participating in the meeting or providing comments on the standard, please contact AHRI staff member Mikelann Scerbo at mserbo@ahrinet.org.

Revision of AHRI Standard 920, Performance Rating of DX-Dedicated Outdoor Air System Units

The Air-Conditioning, Heating, and Refrigeration Institute (AHRI) will be holding an online meeting on November 11 from 2 p.m. to 4 p.m. If you are interested in participating in the meeting or providing comments on the standard, please contact AHRI staff member Danny Abbate at dabbate@ahrinet.org.

IIAR 8

Decommissioning of Closed-Circuit Ammonia Refrigeration Systems

**International Institute of Ammonia Refrigeration,
1001 North Fairfax Street
Suite 503
Alexandria, VA 22314
Phone: (703) 312-4200
Fax: (703) 312-0065
www.iiar.org**

Note: This document shows substantive changes made subsequent to the second public review. Certain portions of the original text remain to provide the reader with some context. You are invited to provide comments on only the changes shown in red below. Please disregard formatting irregularities. Contact the IIAR if you wish to see the entire document to gain further context.

Public Review #3

Section 3

Definitions

For other definitions refer to ANSI/IIAR 1 (Reference 4.1.1).

Decommissioning: The permanent deactivation of a closed-circuit refrigeration system or part thereof. ~~from service including the removing or transferring of the entire ammonia charge from the system or part thereof.~~

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Plastics piping system components and related materials

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2.1 Normative references for plastic pipe and related components

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ANSI/ASSE 1049-2009. *Performance Requirements for Individual and Branch Type Air Admittance Valves for Chemical Waste Systems*¹

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| Table 21 – Air admittance valve test frequency | | | |
|---|--------------------|----------------------------|------------------------|
| Test | Stack type devices | Fixture and branch devices | Chemical waste systems |
| capacity test | annually | annually | annually |
| low pressure test of complete device | weekly | – | weekly |
| pressure test of complete device | – | weekly | – |
| temperature range test | annually | annually | annually |
| thread length ¹ | (see footnote) | (see footnote) | (see footnote) |
| product standards | ASSE 1050 | ASSE 1051 | ASSE 1049 |
| ¹ Thread length is only required to be verified at the time a new tool is “qualified” or when new or repaired thread cores are made. | | | |

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¹ American Society of Sanitary Engineering (ASSE) for Plumbing and Sanitary Research, 901 Canterbury Road, Suite A, Westlake OH 44145-1480 <www.asse.org>

Tracking #14i64r1 Table12-13
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Revision to NSF/ANSI 14-2014
Draft 1, Issue 64 (July 2014)

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Plastics piping system components and related materials

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2.1 Normative references for plastic pipe and related components

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ASTM F679-13a. *Standard Specification for Poly(Vinyl Chloride) (PVC) Large-Diameter Plastic Gravity Sewer Pipe and Fittings*¹

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Table 12 – PVC pipe test frequency

| Test | Potable water ¹ | DWV | DWV (3.25" OD) | DWV cellular core | Sewer | Well casing ² |
|---|----------------------------|----------|----------------|-------------------|----------|--------------------------|
| acetone | annually | — | annually | annually | annually | — |
| bond | — | — | — | weekly | — | — |
| burst pressure | 24 h ³ | — | — | — | — | — |
| deflection load and crush | — | annually | annually | — | — | annually |
| dimensions | | | | | | |
| pipe OD | 2 h | 2 h | 2 h | 2 h | 2 h | 2 h |
| pipe wall thickness | 2 h | 2 h | 2 h | 2 h | 2 h | 2 h |
| pipe out-of-roundness | 2 h | 2 h | 2 h | 2 h | 2 h | 2 h |
| flattening resistance | annually | — | annually | annually | annually | — |
| impact resistance @ 0 °C (32 °F) ³ | — | — | — | — | — | 24 h |
| impact @ 22.8 °C (73 °F) ³ | 24 h | 24 h | 24 h | 24 h | 24 h | — |
| joint tightness | — | — | — | — | annually | — |
| stiffness | — | annually | annually | annually | annually | annually |
| sustained | annually | — | — | — | — | — |

¹ American Society of Sanitary Engineering (ASSE) for Plumbing and Sanitary Research, 901 Canterbury Road, Suite A, Westlake OH 44145-1480 <www.asse.org>

| | | | | | | |
|--|--------------------------|------------|------------|-----------|---------------------------------------|-----------|
| pressure | | | | | | |
| tup puncture resistance | — | — | — | — | — | annually |
| product standards | ASTM D1785 ASTM D2241 | ASTM D2665 | ASTM D2949 | ASTM F891 | ASTM D2729 ASTM D3034 ASTM F679 | ASTM F480 |
| <p>¹ 23 °C (73 °F) impact applies only to products produced under ASTM D2241 as referenced in 2 of this Standard.</p> <p>² Impact testing shall be in accordance with ASTM F480 as referenced in 2 of this Standard and the specified impact classification of IC-1, IC-2, or IC-3.</p> <p>³ If one material is continuously used in several machines or sizes, then when a steady-state operation is obtained on each machine, sample selection shall be from a different extruder each day and rotated in sequence among all machines or sizes.</p> | | | | | | |

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Table 13 – PVC fittings and pipe bell ends test frequency

| Test | Potable water | DWV ¹ | Sewer ² | Well casing | PSM sewer fittings | Pipe bell ends ⁹ |
|--|--|--|---------------------------------------|------------------|--------------------|--|
| acetone | — | — | 24 h | — | — | — |
| burst pressure ⁸ | weekly | — | — | — | — | weekly |
| deflection load and crush resistance | — | annually | — | annually | — | — |
| dimensions | | | | | | |
| body wall thickness | weekly | weekly | weekly | weekly | — | — |
| socket bottom avg. diameter and out of roundness ³ | 24 h | 24 h | 24 h | 24 h | 24 h | start-up |
| socket entrance avg. diameter and out of roundness ³ | 24 h | 24 h | 24 h | 24 h | 24 h | start-up |
| socket depth ^{3, 7} | 24 h | 24 h | 24 h | 24 h | 24 h | start-up |
| socket wall thickness | weekly | weekly | weekly | weekly | weekly | start-up |
| spigot ends of fittings: min wall thickness | weekly | weekly | weekly | weekly | — | — |
| spigot ends of fittings: avg. diameter and out of roundness ⁵ | 24 h | 24 h | 24 h | 24 h | — | — |
| thread length ⁷ | (see footnote 7) | (see footnote 7) | (see footnote 7) | (see footnote 7) | — | — |
| thread gauge | 24 h | 24 h | — | 24 h | — | — |
| flattening | — | annually | — | — | — | — |
| heat reversion ⁴ | — | 8 h | — | — | — | — |
| impact @ 22.8 °C (73 °F) ⁶ | — | weekly | — | — | monthly | — |
| joint tightness | — | — | — | — | — | annually |
| tup puncture resistance | — | — | — | annually | — | — |
| threaded joint strength (hydrostatic) | — | — | — | weekly | — | — |
| product standards | ASTM D2464 ASTM D2466 ASTM D2467 | ASTM D2665 ASTM D2949 CSA B181.2 | ASTM D2729 ASTM D3034 ASTM F679 | ASTM F480 | ASTM F1336 | ASTM D2672 ASTM D3139 ASTM D3212 |

¹ Flattening applies only to products produced under ASTM D2949 as referenced in 2 of this Standard.

² Acetone applies only to products produced under ASTM D2729 as referenced in 2 of this Standard.

³ Plug gauges are permitted, provided that the mold has been qualified by complete dimensioning and performance of appropriate testing on all products from all mold cavities to verify compliance with the referenced standard.

⁴ This requirement applies only to products produced under CSA B181.2.

⁵ Ring gauges are permitted, provided that the mold has been qualified by complete dimensioning and performance of appropriate testing on all products from all cavities to verify.

⁶ Toilet flanges listed to ASTM D2665, D2949 and CSA B181.2 are exempt from the QC requirements of crush and impact.

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⁷ Socket depth and thread length are only required to be verified at the time a new tool is “qualified” or when new or repaired cores are made.

⁸ Burst pressure requirement does not apply to reducer bushings.

⁹ Requirements do not apply to F679 fabricated fittings and bell-ends.

NOTE – No point anywhere along the length of the spigot shall the O.D. be allowed to fall below the minimum for equivalent size pipe.

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Plastics piping system components and related materials

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2.1 Normative references for plastic pipe and related components

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ASTM F2929-13 *Standard Specification for Crosslinked Polyethylene (PEX) Tubing of 0.070 in. Wall and Fittings for Radiant Heating Systems up to 75 psig*¹

Table 10A – PEX, PE-RT, PE-water, PE-storm sewer pipe and tubing test frequency

| Test | PEX | PE-RT | PE (water) | PE (storm sewer) |
|---|--|--------------------------|--|------------------|
| dimension | | | | |
| pipe OD or ID | 2 h | 2 h | 2 h | 2 h |
| wall thickness (min and max) | 2 h | 2 h | 2 h | 2 h |
| burst pressure ^{1,5} | 24 h | 24 h | 24 h | 24 h |
| hydrostatic pressure | annually | annually | — | — |
| density | annually | annually | annually | annually |
| degree of crosslinking ⁶ | weekly | — | — | — |
| ESCR | annually | — | annually | — |
| bent tube sustained pressure (hot/cold) | annually | — | — | — |
| elevated temperature sustained pressure | — | — | semi-annually | — |
| excessive temperature | annually | annually ⁷ | — | — |
| stiffness | — | — | — | annually |
| flattening | — | — | — | annually |
| impact | — | — | — | weekly |
| product standards | ASTM F876 ASTM F877 ASTM F2788 ASTM F2929 CSA B137.5 | ASTM F2623 ASTM F2769 | ASTM D2239 ASTM D2737 ASTM D3035 ASTM F714 CSA B137.1 ⁴ AWWA C901 ² AWWA C906 ³ | ASTM F2306 |
| ¹ If one material is continuously used in several machines or sizes, then when a steady-state operation is obtained on each machine, sample selection shall be from a different extruder each day and rotated in sequence among all machines or sizes. | | | | |
| ² Pipe and tubing compliant to AWWA C901 shall follow the QC requirements of AWWA C901. | | | | |
| ³ Pipe and tubing compliant to AWWA C906 shall follow the QC requirements of AWWA C906. | | | | |

¹ American Society for Testing Materials (ASTM) 100 Barr Harbor Drive, West Conshohocken, PA 19428-2959
<www.astm.org>

Tracking #14i66r1 Table 10A
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| Test | PEX | PE-RT | PE (water) | PE (storm sewer) |
|---|-----|-------|------------|------------------|
| <p>⁴ Burst pressure is not required for pipe listed to CSA B137.1.</p> <p>⁵ Burst test for pipe sizes 24-63" are tested once per week.</p> <p>⁶ Degree of crosslinking samples shall be taken from normal production after the point in the process where the crosslinking reaction is nominally complete.</p> <p>⁷ Excessive temperature only applies to F2769</p> | | | | |

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1.4 Performance classification

For the purpose of this Standard, systems are classified according to the chemical, biological, and physical characteristics of their effluents as determined by the performance testing and evaluations described herein.

Graywater treatment systems within a manufacturer's model series may be classified according to the performance testing and evaluation of the system (8.1) expected to produce the poorest effluent quality within the series based upon design characteristics. ~~A series is limited to treatment capacities below 1,514 L/day (400 gal/day), and treatment capacities between 1,514 L/day (400 gal/day) and 5,678 L/day (1,500 gal/day).~~

Residential wastewater treatment systems within a manufacturer's model series may be classified according to the performance testing and evaluation of the system (8.2) with the smallest hydraulic capacity within the series. A series is limited to treatment capacities below 1,514 L/day (400 gal/day), and treatment capacities between 1,514 L/day (400 gal/day) and 5,678 L/day (1,500 gal/day).

Graywater and residential wastewater treatment systems having rated treatment capacities less than 378 L/day (100 gal/day) shall be within a manufacturer's model series having rated treated capacities at or above 378 L/day (100 gal/day).

The manufacturer shall submit design drawings and specifications of the entire model series, which shall include critical design parameters for the systems. An engineering review of the design parameters may be completed in lieu of performance testing and evaluation of other systems within the series provided they are determined to be appropriately proportionate to the evaluated system based on sound engineering principles.

Commercial treatment systems that treat combined commercial facility wastewater and commercial facility laundry water of any capacity, and treatment systems that treat graywater from commercial facilities with capacities exceeding 5678 L/day (1500 gal/day) performance tested and evaluated in accordance with 8.3 and Annex A, may be similarly classified within a manufacturer's model series. However, consideration must be given to the conditions of the field evaluation of the system, including the wastewater characteristics, treatment system loading conditions, and other variables affecting performance. These conditions shall become limitations for classifying other systems within a manufacturer's model series.

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2 References

2.1 Normative references

The following documents contain provisions that, through reference in this text, constitute provisions of this Standard. At the time of publication, the indicated editions were valid. All standards are subject to revision, and parties are encouraged to investigate the possibility of applying the recent editions of the standards indicated below. **The most recent published edition of the document shall be used for undated references.**

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American Public Health Association (APHA), American Water Works Association (AWWA) & Water Environment Federation (WEF): *Standard Methods for the Examination of Water and Wastewater*, 24th Edition, 2005-(hereinafter referred to as *Standard Methods*)¹

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8.4.1.1 Graywater

Influent samples shall be collected two times per week, **except for the following (which shall be collected one time per week): surfactants, iron, fats, oil and grease.** Effluent samples shall be collected three times per week during design loading periods and two times during each stress recovery period (the week following completion of each of the stress simulations described in 8.1.2.2.2). Effluent samples shall be collected two times per week during all stress events, **except power/equipment failure stress and vacation stress where no samples shall be collected.** SAR will be collected on the influent and effluent, **and color, odor, oily film and foam on the effluent** once every 2 m (8 wk [56 d]) for a total of 3 samples over the course of the test.

Reason: makes clear the frequency of sample collection for surfactants, iron, FOG, color, odor, oily film and foam.

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8.4.1.2 Residential Wastewater

Influent residential wastewater samples shall be collected three times per week, **except for the following (which shall be collected one time per week): total phosphorous; COD; total coliforms; TOC; surfactants, iron, fats, oil and grease;** which shall be collected one time per week. Effluent samples shall be collected three times per week during design loading periods and two times during each stress recovery period. Effluent samples shall be collected two times per week during all stress events, **except power/equipment failure stress and vacation stress where no samples shall be collected.** SAR will be collected on the influent and effluent, **and color, odor, oily film and foam on the effluent** once every 2 m (8 wk [56 d]) for a total of 3 samples over the course of the test.

Reason: makes clear the frequency of sample collection for iron, FOG, color, odor, oily film and foam.

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¹ Standard Methods for the Examination of Water and Wastewater <www.standardmethods.org>.

BSR/UL 60384-14, Standard for Safety for Fixed Capacitors for Use in Electronic Equipment – Part 14: Sectional Specification: Fixed Capacitors for Electromagnetic Interference Suppression and Connection to the Supply Mains

1. Revision to Cover DC- or PV-Applications

1 General

1.1 Scope

This part of IEC 60384 applies to capacitors and resistor-capacitor combinations which will be connected to an a.c. mains or other supply with nominal voltage not exceeding 1 000 V a.c. (r.m.s.) or 1 000 V d.c. and with a nominal frequency not exceeding 100 Hz.

1.1DV D2 Modification of 1.1 by replacing with the following:

This part of IEC 60384 applies to capacitors and resistor-capacitor combinations which will be connected to an a.c. mains or other supply with (a.c. or d.c.) nominal voltage not exceeding 1 000 V a.c. (r.m.s.) with a nominal frequency not exceeding 100 Hz. or 1 500 V d.c.

1.5 Terms and definitions

For the purposes of this document, the terms and definitions of IEC 60384-1, as well as the following, apply.

NOTE Some definitions of IEC 60384-1 have been expanded, as is indicated by a note.

1.5.1 A.C. CAPACITOR

capacitor designed essentially for application with a power-frequency alternating voltage

NOTE 1 to entry: A.C. CAPACITORS may be used on d.c. supplies having the same voltage as the a.c. r.m.s. rated voltage of the capacitor.

1.5.1DV D2 Modification of 1.5.1 by replacing with the following:

1.5.1 A.C. CAPACITOR

capacitor designed essentially for application with a power-frequency alternating voltage

NOTE 1 to entry: A.C. CAPACITORS may be used on d.c. supplies having two (2) times the a.c. r.m.s. rated voltage of the capacitor.

Example: capacitor with the rated a.c. voltage of 300 V a.c. can be used in d.c. supply of value 600 V d.c.

2 Preferred ratings and characteristics

2.2 Preferred values of ratings

2.2.3 RATED VOLTAGE (U_R)

The preferred values of **RATED VOLTAGE** are 125 V, 250 V, 275 V, 400 V, 440V, 500 V, 760 V and 1 000 V.

ELECTROMAGNETIC INTERFERENCE SUPPRESSION CAPACITORS should be chosen to have a **RATED VOLTAGE** equal to, or greater than, the nominal voltage of the supply system to which they are connected. The design of the capacitors should take into account the possibility that the voltage of the system may rise by up to 10% above its nominal voltage. In star connections the maximum voltage over the capacitors shall be calculated in the worst possible case when the nominal capacitance tolerances of the capacitors used are considered.

2.2.3DV D2 Modification of 2.2.3 by replacing the first paragraph with the following:

The preferred values of RATED VOLTAGE are 125 V, 250 V, 275 V, 400 V, 440V, 500 V, 760 V, 1 000 V a.c or d.c. and 1 500 V d.c.

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2. Revision to Voltage U_S of the Endurance Test for Class X Capacitors and RC Units Containing Class X Capacitors

4.14.3 Endurance for Class X capacitors and RC units containing Class X capacitors

For multi-section capacitors, all X-sections shall be tested in parallel, if necessary, by shorting out any Y-sections. For T-connected capacitors (see 1.5.9), the test shall be carried out between the terminals normally connected to line and neutral.

The capacitors and RC units, for which no RATED TEMPERATURE is given, shall be submitted to an endurance test of 1 000 h at UPPER CATEGORY TEMPERATURE at a voltage of $1,25 U_R$ except that once every hour the voltage shall be increased to voltage U_S r.m.s. for 0,1 s, where $U_S = 1,5 \times U_R$ or 1 000 V r.m.s., whichever is higher. Each of these voltages shall be applied to each capacitor individually through a resistor of $47 \Omega \pm 5 \%$. The suitable circuit is shown in Annex B.

NOTE The value of this resistor is chosen to simulate the high-frequency impedance of the supply mains. For capacitors with capacitance value above $10 \mu\text{F}$ the dissipated power in the resistor becomes large. With increasing capacitance values the dissipated power may rise to unpractical level. In this kind of situation Safety Test Houses may allow lower resistance value of 5 % of the reactance value of the test capacitor C_x to be used. RC units, for which a RATED TEMPERATURE is given, shall be mounted in the manner specified by the manufacturer, and the oven shall be stabilized at the RATED TEMPERATURE without voltage applied to the capacitors. The voltage shall then be switched on and the time counted from this moment.

After thermal stability due to internal heating of the resistor has been re-established, the case temperature of one of the capacitors shall be measured. It shall not exceed the UPPER CATEGORY TEMPERATURE.

The test circuit should be designed so that voltage transients and current surges are avoided during switching. This may be achieved by discharging the capacitor before switching to the new voltage provided that the total time taken to change over to 1 000 V rms and back does not exceed 30 s.

4.14.3DV D2 Modification of 4.14.3 by replacing the second paragraph with the following:

The capacitors and RC units, for which no RATED TEMPERATURE is given, shall be submitted to an endurance test of 1 000 h at UPPER CATEGORY TEMPERATURE at a voltage of $1,25 U_R$ except that once every hour the voltage shall be increased to voltage U_S r.m.s. for 0,1 s, where $U_S = 1,5 \times U_R$ for $U_R > 800 \text{ V a.c.}$ or $1 000 \text{ V r.m.s.}$ for $U_R \leq 800 \text{ V a.c.}$ Each of these voltages shall be applied to each capacitor individually through a resistor of $47 \Omega \pm 5 \%$. The suitable circuit is shown in Annex B.

BBDV D2 Modification of Annex B by adding the following:

$U_S = 1,5 \times U_R$ for $U_R > 800 \text{ V a.c.}$ or $1 000 \text{ V r.m.s.}$ for $U_R \leq 800 \text{ V a.c.}$ for Class X capacitors.

3. Revision to Voltage U_S of the Endurance Test for Class Y Capacitors and RC Units Containing Class Y Capacitors

4.14.4 Endurance for Class Y capacitors and RC units containing Class Y capacitors

For multi-section capacitors, all Y-sections shall be tested in parallel, if necessary, by shorting out any X-sections. For T-connected capacitors (see 1.5.9) the terminals normally connected to line and neutral shall be shorted and the test shall be carried out between them and the terminal normally connected to earth.

The capacitors shall be submitted to an endurance test of 1 000 h at UPPER CATEGORY TEMPERATURE at a voltage of $1,7 U_R$, except that once every hour the voltage shall be increased to voltage U_S r.m.s. for 0,1 s, where $U_S = 1,5 \times U_R$ or 1 000 V r.m.s., whichever is higher. Each of these voltages shall be applied to each capacitor individually through a resistor of $47 \Omega \pm 5 \%$. The test circuit is shown in Annex B.

The test circuit should be designed so that voltage transients and current surges are avoided during switching. This may be achieved by discharging the capacitor before switching to the new voltage provided that the total time taken to change over the U_S r.m.s. and back does not exceed 30 s.

4.14.4DV D2 Modification of 4.14.4 by replacing the second paragraph with the following:

The capacitors shall be submitted to an endurance test of 1 000 h at UPPER CATEGORY TEMPERATURE at a voltage of $1,7 U_R$, except that once every hour the voltage shall be increased to 1 000 V r.m.s. for 0.1 s. Each of these voltages shall be applied to each capacitor individually through a resistor of $47 \Omega \pm 5 \%$. The test circuit is shown in Annex B.

BBDV D2 Modification of Annex B by adding the following:

$U_S = 1\ 000\ V\ r.m.s.,\ for\ Class\ Y\ capacitors.$

BSR/UL 430, Standard for Waste Disposers

1. Proposed Addition Of Requirements Specific To A Foot Actuated Switch Of A Disposer For Household Use

17 Switches and Controls

17.13 A foot-actuated switch shall additionally comply with the requirements in Foot Actuated Switches, Section 17B.

17B Foot Actuated Switches

17B.1 General

17B.1.1 A foot actuated switch of a disposer for household use shall comply with the following:

a) Activation of the switch shall require a minimum of two different and distinct foot motions with each motion triggering a different switch activating mechanism.

b) Deactivation of the switch shall require only one foot motion that returns the switch to a nonoperating condition.

c) The switch shall be firmly attached to the enclosure or floor.

d) A switch assembly that is cord connected, is not an integral part of the disposer, and is located where water could drip, spray or accumulate once installed, shall comply with the Water Spill Test, Section 17B.2.

e) The switch assembly shall comply with the requirements in Enclosure, Section 7. The actuating mechanism of the switch shall be subjected to the Impact Test, Section 48. As a result of the test, there shall be no mechanical malfunction of the switch actuator and shall comply with the requirements in (a) and (b).

f) The switch shall comply with the applicable requirements in Switches, Section 5A.22, or with the Standard for Industrial Control Equipment, UL 508. The switch together with the actuator shall comply with a minimum of 6,000 cycles of operation.

g) The switch shall comply with the applicable requirements in Switches and Controls, Section 17.

17B.2 Water Spill Test

17B.2.1 A switch assembly as described in 17B.1.1 (d) shall comply with the Leakage Current Test, Section 31, after being subjected to the conditioning specified in 17B.2.2 – 17B.2.5. The test shall be conducted immediately after the conditioning.

17B.2.2 With the switch assembly installed as intended, 2 gallons (8 liters) of the solution specified in 17B.2.3 shall be poured over the switch assembly and associated parts that are likely to be subject to dripping, spraying or accumulating water.

17B.2.3 The solution specified in 17B.2.2 shall consist of 8 ± 0.1 grams of table salt per 1 ± 0.1 liters of distilled water of ambient room temperature.

17B.2.4 The solution shall be poured from a container of any convenient size and shape, such that all the solution is poured from the container within 30 – 90 seconds.

17B.2.5 After the solution is poured, the outside surface shall be dried and the inside of the switch assembly examined for any evidence of wetting of uninsulated live parts. No water shall be evident on uninsulated live parts, and no immersion of insulated live parts shall be present.

BSR/UL 1821, Standard for Safety for Thermoplastic Sprinkler Pipe and Fittings for Fire Protection Service

1. Unfinished Basement Fire Tests

13 Fire Exposure Test

13.1 General

13.1.1 When tested as specified in 13.1.2 - ~~13.3.4~~ 13.5.1, pipe and fitting assemblies:

- a) Shall not burst, separate, or leak; and
- b) Shall maintain the sprinkler in the intended operating position.

Following the fire exposure, the pipe and fitting assemblies shall withstand an internal hydrostatic pressure equal to the maximum rated pressure for 5 minutes without rupture or leaks.

Exception: Pipe and fittings intended to be protected by any of the constructions listed in (a) - (b) are not required to be subjected to the fire exposure test:

- a) 3/8 inch (9.5 mm) thick or thicker gypsum wallboard;
- b) A suspended membrane ceiling with lay-in panels or tiles having a weight of not less than 0.35 lb/ft² (1.76 kg/m²) when installed with metallic support grids; or
- c) 1/2 inch (12.7 mm) plywood soffits.

13.4 Fire exposure test - unfinished basement application

13.4.1 Piping assemblies intended for installation without protective materials referenced in 13.1.1 and in unfinished basement ceilings, shall comply with the Fire Exposure Tests described in Section 13 except for the following:

- a) The test room described in 13.1.6 shall have a simulated unfinished basement ceiling installed using sprinklers which shall be spaced at maximum spacing and configuration to protect the maximum basement ceiling area specified in the Installation and Design Manual;

b) Exposed structural members shall be located at the ceiling height, structural member depth, spacing, and construction to accomplish maximum and minimum sprinkler response times (Commonly between four sprinklers and between two sprinklers on the same pipe installed parallel to the joists, respectively); and

c) Piping assemblies shall be installed in two configurations:

1) Parallel to the joists and in the joist space above the fire source; and

2) Perpendicular to the joists located at the bottom cord of the joists above the fire source.

The location of the piping in both configurations 13.4.1(c)(1) and (2) shall be directly above the fire source.

13.5 Fire exposure test- vertical piping application

13.5.1 Piping assemblies intended for installation as a vertical supply (riser) without protective materials referenced in 13.1.1, shall comply with the Fire Exposure Tests described in Section 13 except for the following:

a) The riser shall be installed vertically along a wall and horizontally at a ceiling height representative of the configuration specified in the Installation and Design Manual;

b) The fire source shall be located along the wall below the vertical riser;

c) Sprinklers shall be located at the maximum distance from the riser specified in the Installation and Design Manual; and

d) Tests shall be conducted with the piping located at two locations:

1) Vertically along a wall; and

2) Vertically in a corner.

2. Flange Leakage and Hydrostatic Test

23 Leakage and Hydrostatic Pressure Test

23.1 Representative pipe and fitting assemblies shall withstand for 1 minute, without rupture, separation, or leakage, an internal hydrostatic pressure of five times the rated pressure.

Exception No. 1: The minimum test pressure and test period is allowed to be reduced for piping that has demonstrated by test an ability to absorb and reduce pressure surges in a system as compared to steel piping. The test pressure and test period reduction is to be determined based on the amount of pressure reduction as compared to steel pipe when tested in accordance with 23.4 and 23.5.

Exception No. 2: Pipe and fitting assemblies that include flanges shall withstand for 1 minute, without leakage, an internal hydrostatic pressure of two times the rated pressure. Flange gaskets and seals shall then be permitted to be replaced with a material and construction capable of withstanding the five times the rated pressure and the test described in 23.1 shall then be conducted without rupture or separation of the assembly.

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BSR/UL 1995, Standard for Safety for Heating and Cooling Equipment

1. Revision to 28.2 and 28.3 covering motor starting capacitor requirements.

28.2 Oil filled motor running capacitors, and dry-film protected type running capacitors, ~~and electrolytic type capacitors~~ shall comply with the testing requirements of UL 810 and CSA 22.2 No. 190.

28.3 All Electrolytic types of motor starting capacitors shall comply with the ~~construction~~ requirements of supplement SA of UL 810.

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