ANSI STANDARDS ACTION

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Contents

American National Standards

Call for comment on proposals listed

This section solicits public comments on proposed draft new American National Standards, including the national adoption of ISO and IEC standards as American National Standards, and on proposals to revise, reaffirm or withdraw approval of existing American National Standards. A draft standard is listed in this section under the ANSI-accredited standards developer (ASD) that sponsors it and from whom a copy may be obtained. Comments in connection with a draft American National Standard must be submitted in writing to the ASD no later than the last day of the comment period specified herein. Such comments shall be specific to the section(s) of the standard under review and include sufficient detail so as to enable the reader to understand the commenter's position, concerns and suggested alternative language, if appropriate. Please note that the ANSI Executive Standards Council (ExSC) has determined that an ASD has the right to require that interested parties submit public review comments electronically, in accordance with the developer's procedures.

Ordering Instructions for "Call-for-Comment" Listings

1. **Order from the organization indicated for the specific proposal.**
2. **Use the full identification in your order, including the BSR prefix; for example, Electric Fuses BSR/SAE J554.**
3. **Include remittance with all orders.**
4. **BSR proposals will not be available after the deadline of call for comment.**

Comments should be addressed to the organization indicated, with a copy to the Board of Standards Review, American National Standards Institute, 25 West 43rd Street, New York, NY 10036. Fax: 212-840-2298; e-mail: psa@ansi.org

* Standard for consumer products

ISSN 0038-9633

Comment Deadline: January 1, 2017

ATIS (Alliance for Telecommunications Industry Solutions)

Revision

BSR/ATIS 0600010.04-201x, Operational Vibration Requirements for Communications Equipment (revision of ANSI ATIS 0600010.04-2011)

This standard specifies the minimum operational vibration criteria for communications equipment. It is the intent of this standard to utilize the latest versions of ATIS standards that are referenced. It is also the intent to utilize (where appropriate) newer versions of other standards or documents that are referenced, provided they do not conflict with the intent of this standard.

Click here to view these changes in full

Send comments (with copy to psa@ansi.org) to: Alexandra Blasgen, (202) 434-8840, ablasgen@atis.org

ATIS (Alliance for Telecommunications Industry Solutions)

Revision

BSR/ATIS 0600311-201x, DC Power Systems - Telecommunications Environment Protection (revision of ANSI/ATIS 0600311-2007 (R2012))

This Standard addresses the installation of dc power systems within controlled or limited access areas that convert commercial ac to dc voltages of 160 volts or less and those that convert from one dc level to another of 160 volts or less.

Click here to view these changes in full

Send comments (with copy to psa@ansi.org) to: Alexandra Blasgen, (202) 434-8840, ablasgen@atis.org

NSF (NSF International)

Revision

BSR/NSF 46-201x (i30r1), Evaluation of components and devices used in wastewater treatment systems (revision of ANSI/NSF 46-2016)

This Standard is intended for use with components and devices not covered by other NSF wastewater standards.

Click here to view these changes in full

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

NSF (NSF International)

Revision

BSR/NSF 49-201x (i98r1), Biosafety Cabinetry: Design, Construction, Performance, and Field Certification (revision of ANSI/NSF 49-2016)

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

Click here to view these changes in full

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

NSF (NSF International)

Revision

BSR/NSF 50-201x (i120r1), Equipment for Swimming Pools, Spas, Hot Tubs and Other Recreational Water Facilities (revision of ANSI/NSF 50-2016)

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

Click here to view these changes in full

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

NSF (NSF International)

Revision

BSR/NSF 347-201x (i4r2), Sustainability Assessment for Single Ply Roofing Membranes (revision of ANSI/NSF 347-2012)

This Standard establishes an approach to the evaluation of the sustainability of single-ply roofing membranes. The Standard includes criteria across the product life cycle from raw material extraction through manufacturing, use, and end-of-life management.

Click here to view these changes in full

Send comments (with copy to psa@ansi.org) to: Kianda Franklin, (734) 827 -3813, kfranklin@nsf.org

RIC (Remanufacturing Industries Council)

New Standard

BSR/RIC 001.1-201x, Specifications for the Process of Remanufacturing (new standard)

This standard defines and provides a benchmark for the process of remanufacturing, and establishes specifications that characterize the remanufacturing process and differentiate remanufacturing from other practices. The specifications in this standard will promote continual improvement in the remanufacturing process and ensure that the products provided to customers by the remanufacturing industry are dependable and of a consistent high quality. This standard is intended to serve as a baseline for additional standards for specific remanufactured products and product groups to be developed in the future.

Click here to view these changes in full

Send comments (with copy to psa@ansi.org) to: Michelle Hayes, (585) 475 -4210, businessmanager@remancouncil.org

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 778-201x, Standard for Safety for Motor-Operated Water Pumps (revision of ANSI/UL 778-2016)

These requirements cover submersible and nonsubmersible motor-operated pumps intended to be used in ordinary locations in accordance with the National Electrical Code, NFPA 70.

Click here to view these changes in full

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

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 797A-201X, Standard for Safety for Electrical Metallic Tubing - Aluminum and Stainless Steel (revision of ANSI/UL 797A-2014)

(1) Removal of the term "mandrel".

Click here to view these changes in full

Send comments (with copy to psa@ansi.org) to: Joshua Johnson, (919) 549 -1053, Joshua.Johnson@ul.com

Comment Deadline: January 16, 2017

ASABE (American Society of Agricultural and Biological Engineers)

Reaffirmation

BSR/ASABE/ISO 14269-1-2006 (R201x), Tractors and self-propelled machines for agriculture and forestry - Operator enclosure environment - Part 1: Vocabulary (reaffirmation of ANSI/ASABE/ISO 14269-1-2006 (R2012))

Specifies test methods and criteria for the evaluation of the operator enclosure in agricultural and forestry tractors (Agricultural tractors used in forestry applications), and self-propelled agricultural machines. This part of ISO 14269 gives terms and definitions used in other parts of ISO 14269.

Single copy price: $58.00

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)

Reaffirmation

BSR/ASABE/ISO 14269-2-2006 (R201x), Tractors and self-propelled machines for agriculture and forestry - Operator enclosure environment - Part 2: Heating, ventilation and air-conditioning test method and performance (reaffirmation of ANSI/ASABE/ISO 14269-2-2006 (R2012))

Specifies a uniform test method for measuring the contribution to operator environmental temperature and humidity provided by an air-conditioning, heating, and ventilation system operating in a specific ambient environment for tractors and self-propelled machines for agriculture and forestry.

Single copy price: $58.00

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)

Reaffirmation

BSR/ASABE/ISO 14269-3-2006 (R201x), Tractors and self-propelled machines for agriculture and forestry - Operator enclosure environment - Part 3: Determination of effect of solar heating (reaffirmation of ANSI/ASABE/ISO 14269-3-2006 (R2012))

Specifies a test method for simulating solar heating in the laboratory and measuring the radiant heat energy from a natural or simulated source. This standard is applicable to tractors and self-propelled machines for agriculture and forestry when equipped with an operator enclosure.

Single copy price: $58.00

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)

Reaffirmation

BSR/ASABE/ISO 14269-4-2006 (R201x), Tractors and self-propelled machines for agriculture and forestry - Operator enclosure environment - Part 4: Air filter element test method (reaffirmation of ANSI/ASABE/ISO 14269-4-2006 (R2012))

Specifies a uniform test method for determining performance levels of operator enclosure panel-type air filters. It is applicable to tractors and self-propelled machines for agriculture and forestry when equipped with an operator enclosure with a ventilation system.

Single copy price: $58.00

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)

Reaffirmation

BSR/ASABE/ISO 14269-5-2006 (R201x), Tractors and self-propelled machines for agriculture and forestry - Operator enclosure environment - Part 5: Pressurization system test method (reaffirmation of ANSI/ASABE/ISO 14269-5-2006 (R2012))

Specifies a test procedure which will provide for uniform measurement of the pressurization inside an operator enclosure of tractors and self-propelled machines for agriculture and forestry when equipped with a ventilation system.

Single copy price: $58.00

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)

New National Adoption

BSR/X9.116-1/ISO 20022-1-201x, Universal Financial Industry Message Scheme - Part 1: Metamodel (national adoption of ISO 20022-1:2013 with modifications and revision of ANSI X9.116-1, ISO 20022-1-2008)

This part of ISO 20022 consists of:

- the overall description of the modelling approach;

- the overall description of the ISO 20022 Repository contents;

- a high-level description of the input to be accepted by the Registration Authority to feed/modify the Repository's DataDictionary and BusinessProcessCatalogue;

- a high-level description of the Repository output to be made publicly available by the Registration Authority.

BusinessTransactions and Message Sets complying with ISO 20022 can be used for electronic data interchange amongst any industry participants (financial and others), independently of any specific communication network. Network-dependent rules, such as message acknowledgement and message protection, are outside the scope of ISO 20022.

Single copy price: $265.00

Order from: ambria.frazier@x9.org

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

ASC X9 (Accredited Standards Committee X9, Incorporated)

New National Adoption

BSR/X9.116-2/ISO 20022-2-201x, Universal Financial Industry Message Scheme - Part 2: UML Profile (identical national adoption of ISO 20022-2 -2013 and revision of ANSI X9.116-2, ISO 20022-2-2008)

Part 2 specifies the responsibilities of the bodies involved in the registration and maintenance of the DataDictionary and BusinessProcessCatalogue items in the ISO 20022 Repository. The Registration Authority (RA) is the operating authority responsible for the above-mentioned tasks, and is assisted by different Standards Management Groups (SMG), i.e., groups of industry experts responsible for specific Business Areas of the Repository. The Registration Management Group (RMG) is the governing body of the overall registration process and the appeal body for the communities of users, the RA and the SMGs, and monitors the registration process performance.

Single copy price: $240.00

Order from: ambria.frazier@x9.org

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

ASC X9 (Accredited Standards Committee X9, Incorporated)

New National Adoption

BSR/X9.116-3/ISO 20022-3-201x, Universal Financial Industry Message Scheme - Part 3: Modelling (identical national adoption of ISO 20022-3 -2013)

This part of ISO 20022 describes the modelling workflow, complementing ISO 20022-1 and ISO 20022-2. The modelling workflow describes the required steps a modeller follows in order to develop and maintain standardized BusinessTransactions and MessageSets. This part of ISO 20022 is not intended to describe what will be the permissible artefacts and/or documents to be submitted to the Registration Authority (this information is contained in ISO 20022-7).

Single copy price: $149.00

Order from: ambria.frazier@x9.org

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

ASC X9 (Accredited Standards Committee X9, Incorporated)

New National Adoption

BSR/X9.116-4/ISO 20022-4-201x, Universal Financial Industry Message Scheme - Part 4: XML Schema Generation (identical national adoption of ISO 20022-4-2013)

This part of ISO 20022 was prepared to complement the ISO 20022 Metamodel, as specified in ISO 20022-1, with the XML syntax transformation rules to be applied by the ISO 20022 Registration Authority in order to translate an ISO-20022-compliant MessageDefinition into an XML Schema for the description and validation of XML Messages. It specifies the transformation rules from level 3 to level 4. It is a deterministic transformation, meaning that the resulting XML Schema is completely predictable for a given MessageDefinition. There is neither manual input to the transformation itself nor manual adjustment to the result of the transformation.

Single copy price: $149.00

Order from: ambria.frazier@x9.org

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

ASC X9 (Accredited Standards Committee X9, Incorporated)

New National Adoption

BSR/X9.116-5/ISO 20022-5-201x, Universal Financial Industry Message Scheme - Part 5: Reverse Engineering (identical national adoption of ISO 20022-5-2013)

This part of ISO 20022 was prepared to complement ISO 20022-1. The reverse engineering guidelines explain how to extract relevant information from existing IndustryMessageSets in order to prepare the submission to the ISO 20022 Registration Authority of equivalent, ISO-20022-compliant BusinessTransactions and MessageSets. The ISO 20022 Repository will contain all ISO-20022-compliant BusinessTransactions and MessageSets, as outlined in ISO 20022-1.

Single copy price: $200.00

Order from: ambria.frazier@x9.org

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

ASC X9 (Accredited Standards Committee X9, Incorporated)

New National Adoption

BSR/X9.116-6/ISO 20022-6-201x, Universal Financial Industry Message Scheme - Part 6: Message Transport Characteristics (identical national adoption of ISO 20022-6-2013)

This part of ISO 20022 specifies the characteristics of the MessageTransportSystem required for an ISO 20022 BusinessTransaction and MessageDefinition. Changes to the value of the MessageTransport Characteristics can affect the BusinessTransaction and MessageDefinition. Each BusinessTransaction in the ISO 20022 Repository is associated with a MessageTransportMode. The MessageTransportMode specifies the values for the MessageTransportCharacteristics. This part of ISO 20022 specifically does not define the wire-level interoperability of message transports. The overall structure is of a layered specification so that ISO 20022 can be implemented over many message transports. This part of ISO 20022 defines only those characteristics required for interoperability at the business process and message level.

Single copy price: $88.00

Order from: ambria.frazier@x9.org

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

ASC X9 (Accredited Standards Committee X9, Incorporated)

New National Adoption

BSR/X9.116-7/ISO 20022-7-201x, Universal Financial Industry Message Scheme - Part 7: Registration (identical national adoption of ISO 20022-7 -2013)

This part of ISO 20022 specifies the responsibilities of the Registration Authority. The Registration Authority (RA) is the operating authority responsible for the registration of the universal financial industry message scheme and the maintenance of the ISO 20022 Repository, and for providing access to the information as described in ISO 20022-1. Concerning the registration request process, the RA is monitored and assisted by ISO/TC 68.

Single copy price: $51.00

Order from: ambria.frazier@x9.org

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

ASC X9 (Accredited Standards Committee X9, Incorporated)

New National Adoption

BSR/X9.116-8/ISO 20022-8-201x, Universal Financial Industry Message Scheme - Part 8: ASN.1 Generation (identical national adoption of ISO 20022-8-2013)

This part of ISO 20022 describes the transformation rules to generate ASN.1 abstract syntax from an ISO-20022-compliant MessageDefinition. The generated abstract syntax is for the description and validation of Messages. The transformation rules are a transformation from Level 3 to Level 4. It is a deterministic transformation, meaning that the resulting ASN.1 is completely predictable for a given MessageDefinition. There is neither manual input to the transformation itself nor manual adjustment to the result of the transformation. This part of ISO 20022 is the ASN.1 equivalent of ISO 20022 -4. In ISO 20022-4, the abstract syntax generated is XML Schema; in this part of ISO 20022 it is ASN.1. In ISO 20022-4, the only encoding supported is UTF-8 XML; in this part, there are multiple encodings supported for ASN.1. These include all the standard encodings, but in addition the ability to register custom encodings in ECN.

Single copy price: $149.00

Order from: ambria.frazier@x9.org

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

ASC X9 (Accredited Standards Committee X9, Incorporated)

Reaffirmation

BSR X9.100-30-2011 (R201x), Optical Background Measurement for MICR Documents (reaffirmation of ANSI X9.100-30-2011)

The scope of the standard is the specification of the optical measurement methodology for the parameters of reflectance, PCS, DCR, Paxel Count, and opacity which are needed for MICR documents.

Single copy price: $60.00

Order from: ambria.frazier@x9.org

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

ASME (American Society of Mechanical Engineers)

Revision

BSR/ASME BPVC Section IV-201x, Rules for Construction of Heating Boilers (revision of ANSI/ASME BPVC-2006)

The rules of this Section of the Code cover minimum construction requirements for the design, fabrication, installation, and inspection of steam heating, hot water heating, hot water supply boilers that are directly fired with oil, gas, electricity, coal, or other solid or liquid fuels, and for operation at or below the pressure and temperature limits set forth in this document. Similar rules for potable water heaters are also included.

Single copy price: Free

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

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

Send comments (with copy to psa@ansi.org) to: Gerardo Moino, (212) 591 -8460, moinog@asme.org

ASME (American Society of Mechanical Engineers)

Revision

BSR/ASME BPVC Section VI-201x, Recommended Rules for the Care and Operation of Heating Boilers (revision of ANSI/ASME BPVC Section VI -2015)

This Standard provides recommended rules for the care and operation of Heating Boilers covered under Section IV of the Boiler and Pressure Vessel Code.

Single copy price: Free

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

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

Send comments (with copy to psa@ansi.org) to: Gerardo Moino, (212) 591 -8460, moinog@asme.org

ASME (American Society of Mechanical Engineers)

Revision

BSR/ASME OM-201x, Operation and Maintenance of Nuclear Power Plants (revision of ANSI/ASME OM-2015)

This Standard establishes the requirements for preservice and inservice testing and examination of certain components to assess their operational readiness in water-cooled reactor nuclear power plants.

Single copy price: Free

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

Send comments (with copy to psa@ansi.org) to: Lauren Powers, (212) 591 -7008, powersl@asme.org

ASSE (ASC A10) (American Society of Safety Engineers)

Revision

BSR/ASSE A10.19-201X, Safety Requirements for Pile Installation and Extraction Operations (revision of ANSI/ASSE A10.19-2008)

This standard establishes safety requirements for the installation and extraction of piles during construction and demolition operations.

Single copy price: $80.00

Obtain an electronic copy from: TFisher@ASSE.org

Order from: Tim Fisher; TFisher@ASSE.org

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

ASTM (ASTM International)

New Standard

BSR/ASTM WK42727-201x, Test Methods for Determining the Effectiveness of Treatments for Natural Christmas Trees to Improve Fire Performance Characteristics (new standard)

http://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: cleonard@astm.org

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

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

ASTM (ASTM International)

Reaffirmation

BSR/ASTM E2748-201x, Guide for Fire-Resistance Experiments (reaffirmation of ANSI/ASTM E2748-2012A)

http://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: cleonard@astm.org

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

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

ASTM (ASTM International)

Revision

BSR/ASTM D6299-201x, Practice for Applying Statistical Quality Assurance and Control Charting Techniques to Evaluate Analytical Measurement System Performance (revision of ANSI/ASTM D6299-2016)

http://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: cleonard@astm.org

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

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ASTM (ASTM International)

Revision

BSR/ASTM E108-201x, Test Methods for Fire Tests of Roof Coverings (revision of ANSI/ASTM E108-2016)

http://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: cleonard@astm.org

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

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

ASTM (ASTM International)

Revision

BSR/ASTM E2708-201x, Terminology for Accreditation and Certification (revision of ANSI/ASTM E2708-2016)

http://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: cleonard@astm.org

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

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

ATIS (Alliance for Telecommunications Industry Solutions)

New Standard

BSR/ATIS 0600015.13-201x, Energy Efficiency for Telecommunication Equipment: Methodology for Measurement and Reporting for 802.11xx Wi-Fi Access Points (new standard)

Wi-Fi access points are widely used by enterprises and service providers to give local wireless access to employees and customers. Current tendencies will increase deployment of access points in the near future. Therefore, a well-defined and industry-accepted energy efficiency evaluation for that group of networking products becomes an urgent task.

Single copy price: $60.00

Order from: Alexandra Blasgen, (202) 434-8840, ablasgen@atis.org

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

ATIS (Alliance for Telecommunications Industry Solutions)

Revision

BSR/ATIS 0600010.01-201x, Temperature, Humidity, Altitude, and Salt Fog Requirements for Network Telecommunications Equipment Utilized in Outside Plant Environments (revision of ANSI ATIS 0600010.01-2014)

This standard covers the minimum temperature, humidity, and altitude criteria for telecommunications network equipment to be installed and utilized by service providers in outside plant (OSP) environments. These environments include those in OSP cabinets enclosure, pedestals, etc.

Single copy price: $175.00

Order from: Alexandra Blasgen, (202) 434-8840, ablasgen@atis.org

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

AWS (American Welding Society)

New Standard

BSR/AWS B5.16-201x, Specification for the Qualification of Welding Engineering Personnel (new standard)

This specification establishes the requirements for qualification of Welding Engineering Technologists, Associate Welding Engineers, Welding Engineers, and Senior Welding Engineers employed in the welding industry. The minimum experience, examination, application, qualification, and requalification requirements and methods are defined in this standard. This specification is a method for engineering personnel to establish a record of their qualification and abilities in welding industry work such as development of procedures, processes controls, quality standards, problem solving, etc.

Single copy price: $30.00

Obtain an electronic copy from: steveh@aws.org

Order from: Stephen Hedrick, (305) 443-9353, steveh@aws.org

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

AWWA (American Water Works Association)

Revision

BSR/AWWA B602-201x, Copper Sulfate (revision of ANSI/AWWA B602 -2008)

This standard describes copper sulfate for use in the treatment of potable water, wastewater, or reclaimed water.

Single copy price: $20.00

Obtain an electronic copy from: vdavid@awwa.org

Order from: Paul Olson, (303) 347-6178, polson@awwa.org; vdavid@awwa.org

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

AWWA (American Water Works Association)

Revision

BSR/AWWA C510-201x, Double-Check Valve Backflow Prevention Assembly (revision of ANSI/AWWA C510-2007)

This standard describes the double check prevention assembly for potable water applications. The assembly shall be capable of withstanding a working water pressure of at least 150 psi (1,034 kPa) without damage to working parts or impairment of function and for operation on hot or cold potable water lines.

Single copy price: $20.00

Obtain an electronic copy from: vdavid@awwa.org

Order from: Paul Olson, (303) 347-6178, polson@awwa.org; vdavid@awwa.org

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

AWWA (American Water Works Association)

Revision

BSR/AWWA C511-201x, Reduced-Pressure Principle Backflow Prevention Assembly (revision of ANSI/AWWA C511-2007)

This standard describes the reduced-pressure principle backflow prevention assembly for potable water applications. The assembly shall be capable of withstanding a working water pressure of at least 150 psi (1,034 kPa) with damage to working parts or impairment of function and for operation on hot or cold water lines.

Single copy price: $20.00

Obtain an electronic copy from: vdavid@awwa.org

Order from: Paul Olson, (303) 347-6178, polson@awwa.org; vdavid@awwa.org

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

AWWA (American Water Works Association)

Revision

BSR/AWWA C602-201x, Cement-Mortar Lining of Water Pipelines in Place - 4 In. (100 mm) and Larger (revision of ANSI/AWWA C602-2011)

This standard describes the requirements for the materials and application of a cement-mortar lining to the inside surface of 4-in. (100 mm) and larger new and old steel, ductile-iron, and cast-iron water pipelines that have been previously installed, as well as related work.

Single copy price: $20.00

Obtain an electronic copy from: vdavid@awwa.org

Order from: Paul Olson, (303) 347-6178, polson@awwa.org; vdavid@awwa.org

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

BIFMA (Business and Institutional Furniture Manufacturers Association)

Revision

BSR/BIFMA X5.1-201X, General-Purpose Office Chairs - Tests (revision of ANSI/BIFMA X5.1-2011)

This standard is intended to provide manufacturers, specifiers, and users with a common basis for evaluating the safety, durability, and structural adequacy of office chairs.

Single copy price: $NA

Obtain an electronic copy from: dpanning@bifma.org

Order from: dpanning@bifma.org

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

ECIA (Electronic Components Industry Association)

New Standard

BSR/EIA 977-201x, Test Method - Electronic Passive Components Exposure to Atmospheric Sulfur (new standard)

This standard defines options for testing electronic components for susceptibility to the effects of environmental sulfur. Such susceptibility results in the corrosion of elemental metals, such as silver, in the presence of sulfur compound in a liquid or gaseous state, leading to component failure.

Single copy price: $78.00

Obtain an electronic copy from: global.ihs.com (877) 413-5184

Order from: global.ihs.com, (877) 413-5184

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

ECIA (Electronic Components Industry Association)

Revision

BSR/EIA 469-E-201x, Standard Test Method for Destructive Physical Analysis (DPA) of Ceramic Monolithic Capacitors (revision and redesignation of ANSI/EIA 469-D-2006)

This document provides terminology, methods, and criteria for characterizing the internal structural features of monolithic ceramic dielectric capacitors. Its major objective is the accurate evaluation of the internal physical quality of the chip capacitor element as it relates to the functional reliability of the finished capacitor. This standard also provides needed and useful information pertaining to activities associated with destructive physical analysis, such as post-decapsulation visual inspection and destructive physical analysis reporting. In addition, it provides tutorial help for problems inherent in destructive physical analysis sample processing.

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FM (FM Approvals)

New Standard

BSR/FM 3265-201x, Spark Detection and Extinguishing Systems (new standard)

This standard provides minimum guidelines for the detection of sparks or embers within a pre-determined area and the extinguishment via application of a pre-determined amount of water spray within the duct or conveyor. In essence, a detection area or zone is monitored and a short duration extinguishing spray is applied that is intended to minimize damage to the process and production downtime associated with the fire hazard. The system is intended as a process protection system and not a building evacuation system, although it could be tied to one.

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NASBLA (National Association of State Boating Law Administrators)

New Standard

BSR/NASBLA 102-201X, Basic Boating Knowledge - Sailing (new standard)

This Standard applies to basic sailing knowledge education and proficiency assessment in the United States, U.S. territories, and the District of Columbia. This document establishes the national standard for basic recreational sailing knowledge with a primary focus on safety and mitigation of risks associated with recreational sail boating. This Standard contains the basic knowledge elements that a beginner (entry-level) operator should have in order to safely operate a small sailboat of less than 26 feet in length by day in light to moderate winds (up to 12 knots) and sea conditions. Auxiliary power knowledge is not included. On-water skills are not included.

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NSF (NSF International)

Revision

BSR/NSF 50-201x (i123r1), Equipment for Swimming Pools, Spas, Hot Tubs and Other Recreational Water Facilities (revision of ANSI/NSF 50-2016)

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

Single copy price: Free

Obtain an electronic copy from: http://standards.nsf.org/apps/group_public/download.php/35183/50i123r1%20-%20Combined%20JC%20Memo%20and%20Ballot.pdf

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SAIA (ASC A92) (Scaffold & Access Industry Association)

Reaffirmation

BSR/SAIA A92.9-2011 (R201x), Standard for Mast-Climbing Work Platforms (reaffirmation and redesignation of ANSI/SIA A92.9-2011)

This standard applies to Mast Climbing Work Platforms that are primarily used to position personnel, along with their necessary tools and materials, to perform their work. Platforms may be adjustable by manual or powered means.

Single copy price: $45.00

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SCTE (Society of Cable Telecommunications Engineers)

New Standard

BSR/SCTE 171-201x, Passive Network Device (NID) Enclosure Specification (new standard)

This specification applies to recommended mechanical, electrical and environmental performance of Network Interface Device enclosures for use in broadband deployment. The intended location for this device is on the outside of the customer premise. This specification focuses on non-metallic enclosures.

Single copy price: $50.00

Obtain an electronic copy from: standards@scte.org

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

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

TAPPI (Technical Association of the Pulp and Paper Industry)

Revision

BSR/TAPPI T 519 om-201x, Diffuse opacity of paper (d/0 paper backing) (revision of ANSI/TAPPI T 519 om-2011)

This method provides a measure of diffuse opacity (paper backing) of white and near-white papers, previously known as “printing opacity.” The method may be employed for colored papers on condition that their reflectance (paper backing) is greater than 20% and their diffuse opacity (paper backing) is greater than 45%. The method is not suitable for highly transparent papers such as glassine.

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UL (Underwriters Laboratories, Inc.)

Reaffirmation

BSR/UL 1004-6-2012 (R201x), Standard for Servo and Stepper Motors (Proposal dated 12-2-16) (reaffirmation of ANSI/UL 1004-6-2012)

UL proposes a reaffirmation of ANSI Approval of UL 1004-6. This Standard applies to servo and stepper motors. The requirements are intended to evaluate the suitability of the motor for normal use when fed from an appropriate controller (drive) through its manufacturer-declared normal operating region.

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UL (Underwriters Laboratories, Inc.)

Reaffirmation

BSR/UL 1602-2011 (R201x), Standard for Safety for Gasoline-Engine-Powered, Rigid-Cutting-Member Edgers and Edger Trimmers (reaffirmation of ANSI/UL 1602-2011)

(1) Reaffirmation and continuance of the fourth edition of the Standard for Gasoline-Engine-Powered, Rigid-Cutting-Member Edgers and Edger Trimmers, UL 1602, as an American National Standard.

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UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 498-201x, Standard for Safety for Attachment Plugs and Receptacles (revision of ANSI/UL 498-2016)

This proposal is for the identification of horsepower ratings for ANSI/NEMA Configurations L25-30R and L26-30R in Tables 115.2 and 183.2 of UL 498.

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UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 499-201x, Standard for Safety for Electric Heating Appliances (revision of ANSI/UL 499-2014)

(1) Proposal to revise the requirements for steam generators.

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UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 858-201x, Standard for Safety for Household Electric Ranges (revision of ANSI/UL 858-2016)

(1) Addition and revision of requirements to address appliances with induction heating functionality. (2) Alternate to VW-1 wiring in 10.8. (3) Proposed addition of alternate method for evaluating protective electronic circuits and controls using requirements based on the Standard for Safety of Household and Similar Electrical Appliances, Part 1: General Requirements, UL 60335-1.

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Comment Deadline: January 31, 2017

ASME (American Society of Mechanical Engineers)

Reaffirmation

BSR/ASME B18.31.4M-2009 (R201x), Threaded Rod (Metric Series) (reaffirmation of ANSI/ASME B18.31.4M-2009)

This Standard covers the complete general and dimensional data for metric series threaded rod.

Single copy price: $32.00

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

Send comments (with copy to psa@ansi.org) to: Angel Guzman, (212) 591-8018, guzman@asme.org

IEEE (Institute of Electrical and Electronics Engineers)

New Standard

BSR/IEEE 1012-201x, Standard for System, Software and Hardware Verification and Validation (new standard)

This verification and validation (V&V) standard is a process standard that addresses all system and software life cycle processes including the Agreement, Organizational Project-Enabling, Project, Technical, Software Implementation, Software Support, and Software Reuse process groups. This standard is compatible with all life cycle models (e.g., system, software, and hardware); however, not all life cycle models use all of the processes listed in this standard.

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IEEE (Institute of Electrical and Electronics Engineers)

New Standard

BSR/IEEE 1484.13.4-201x, Recommended Practice for Learning Technology - IMS Content Packaging Information Model (CP) Version 1.2 - Mapping to the Conceptual Model for Resource Aggregation (new standard)

This recommended practice specifies how the elements and attributes defined in the IMS Content Packaging Information Model (CP) Version 1.2 relate to the components of the conceptual model for resource aggregation defined in IEEE Std 1484.13.1™-2012.

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IEEE (Institute of Electrical and Electronics Engineers)

New Standard

BSR/IEEE 1653.1-201x, Standard for Traction Power Transformers for Substation Applications up to 1500 Volts DC Nominal Output (new standard)

This standard covers design, manufacturing, and testing unique to the application of power rectifier transformers intended to operate in dc-supplied transportation substation applications up to 1500 volts dc nominal output.

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IEEE (Institute of Electrical and Electronics Engineers)

New Standard

BSR/IEEE 1881-201x, Standard Glossary of Stationary Battery Terminology (new standard)

This standard defines terms currently in use in the field of stationary batteries. This standard does not include terms specific to battery manufacturing activities or to non-stationary battery applications such as motive, portable, marine, or other such applications.

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IEEE (Institute of Electrical and Electronics Engineers)

New Standard

BSR/IEEE 1896-201x, Standard for Identification of Contact Wire Used in Overhead Contact Systems (new standard)

This standard defines the general parameters for marking contact wires in overhead contact systems (OCS) used for electric railway and transit systems. The standard allows for the identification of various contact wires by composition and conductivity as well as by the operating agency using the wire. This standard is intended to provide a method for determining the type of contact wire with regard to the chemical makeup and electrical conductivity.

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IEEE (Institute of Electrical and Electronics Engineers)

New Standard

BSR/IEEE 2030.3-201x, Standard Test Procedures for Electric Energy Storage Equipment and Systems for Electric Power Systems Applications (new standard)

This standard establishes test procedures for electric energy storage equipment and systems for electric power systems (EPS) applications. It is recognized that an electric energy storage equipment or systems can be a single device providing all required functions or an assembly of components, each having limited functions. Components having limited functions shall be tested for those functions in accordance with this standard. Conformance may be established through combination of type, production, and commissioning tests. Additionally, requirements on installation evaluation and periodic tests are included in this standard.

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IEEE (Institute of Electrical and Electronics Engineers)

New Standard

BSR/IEEE 2030.6-201x, Guide for the Benefit Evaluation of Electric Power Grid Customer Demand Response (new standard)

The guide describes the index framework of DR programs on effect monitoring and comprehensive benefit evaluation and gives the detailed calculation methods. The guide could be used by DR sponsors, including independent system operator (ISO), region transmission organization (RTO), electricity distribution company (EDC), load service entity (LSE), governments and other research institutes, to analyze the actual effects of DR programs, evaluate the comprehensive benefits of implementing DR programs, and provide guidance for the overall resource planning decision.

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IEEE (Institute of Electrical and Electronics Engineers)

New Standard

BSR/IEEE 2400-201x, Standard for Wind Turbine Aero Acoustic Noise Measurement Techniques (new standard)

This document provides the selection of the wind turbine and wind farm aero acoustic noise measurements including instrumentation standards and metrology technology, measurement set, measurement procedures, data processing and noise source data analysis. The scope of measurement cover near-field sound measurement similar to IEC 61400-11 distance, and far field sound measurement at the outdoor and indoor near concerned house or building. The document focuses on amplitude modulation noise, however, guideline for low-frequency noise including infrasound near-field measurement is provided.

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New Standard

BSR/IEEE 2404-201x, Standard for Power Plant De-Nitrogen Oxide (DeNOx) Plate-Type Catalyst (new standard)

This standard establishes criteria for testing methods and technical parameters for geometrical features, physical and chemical properties and DeNOx technological properties of power-plant DeNOx plate-type 1catalyst.

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IEEE (Institute of Electrical and Electronics Engineers)

New Standard

BSR/IEEE 3006.2-201x, Recommended Practice for Evaluating the Reliability of Existing Industrial and Commercial Power Systems (new standard)

This recommended practice describes how to evaluate the reliability of existing industrial and commercial power systems. It is likely to be of greatest value to the power-oriented engineer with limited experience in the area of reliability. It can also be an aid to all engineers responsible for the design of industrial and commercial power systems. It contains recommendations for assessing power system conditions and assembling the data required for full reliability calculations for large or critical facilities as well as recommendations for inspection, maintenance, and engineering activities that will benefit smaller or less critical facilities.

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IEEE (Institute of Electrical and Electronics Engineers)

New Standard

BSR/IEEE 11073-10422-201x, Health Informatics - Personal Health Device Communication - Part 10422: Device Specialization - Urine Analyzer (new standard)

This standard establishes a normative definition of communication between personal telehealth urine analyzer devices and managers (e.g., cell phones, personal computers, personal health appliances, set top boxes) in a manner that enables plug-and-play interoperability. It leverages appropriate portions of existing standards including ISO/IEEE 11073 terminology, information models, application profile standards, and transport standards. It specifies the use of specific term codes, formats, and behaviors in telehealth environments restricting optionality in base frameworks in favor of interoperability.

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IEEE (Institute of Electrical and Electronics Engineers)

New Standard

BSR/IEEE 61850-9-3-201x, IEC/IEEE International Standard - Communication networks and systems for power utility automation - Part 9 -3: Precision time protocol profile for power utility automation (new standard)

This part of IEC 61850 specifies a precision time protocol (PTP) profile of IEC 61588:2009/IEEE Std 1588-2008 applicable to power utility automation, which allows compliance with the highest synchronization classes of IEC 61850-5 and IEC 61869-9.

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IEEE (Institute of Electrical and Electronics Engineers)

New Standard

BSR/IEEE 80005-2-201x, IEC/IEEE International Standard - Utility connections in port - Part 2: High and low voltage shore connection systems - Data communication for monitoring and control (new standard)

This part of IEC/IEEE 80005 describes the data interfaces of shore and ships as well as step by step procedures for low- and high-voltage shore connection systems communication for non-emergency functions, where required. This standard specifies the interface descriptions, addresses, and data type. This standard also specifies communication requirements on cruise ships, in annex A.

Single copy price: $137.00 (pdf): $171.00 (print)

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IEEE (Institute of Electrical and Electronics Engineers)

New Standard

BSR/IEEE C57.156-201x, Guide for Tank Rupture Mitigation of Liquid-Immersed Power Transformers and Reactors (new standard)

This guide describes measures that may be taken to help mitigate tank rupture of energized liquid-immersed power transformers and reactors due to internal electrical faults. This guide does not cover the release of insulating fluid or insulating fluid mist due to failure of the following components: load tap changer compartments, bushings and their turrets, conservator tank, piping, valves, pumps, and radiators.

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IEEE (Institute of Electrical and Electronics Engineers)

New Standard

BSR/IEEE C57.159-201x, Guide on Transformers for Application in Distributed Photovoltaic (DPV) Power Generation Systems (new standard)

This Guide provides general and specific recommendations on application of step-up and step-down liquid-immersed and dry-type transformers in DPV Power Generation Systems for commercial, industrial, and utility systems. The Guide focuses mainly on the inverter transformers of the DPV Power Generation Systems that are connected to the inverters supplying AC voltage and current to the primary (LV) winding of the transformer. Some specifics attributed to the auxiliary power transformers in these systems are also discussed.

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IEEE (Institute of Electrical and Electronics Engineers)

Revision

BSR/IEEE 421.5-201x, Recommended Practice for Excitation System Models for Power System Stability Studies (revision of ANSI/IEEE 421.5 -2005)

This document provides mathematical models for computer simulation studies of excitation systems and their associated controls for three phase synchronous generators. The equipment modeled includes the automatic voltage regulator as well as supplementary controls including reactive current compensation, power system stabilizers, over and under excitation limiters, and stator current limiters. This revision is an update of the recommended practice and includes models of new devices which have become available since the previous revision, as well as updates to some existing models.

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IEEE (Institute of Electrical and Electronics Engineers)

Revision

BSR/IEEE 497-201x, Standard Criteria for Accident Monitoring Instrumentation for Nuclear Power Generating Stations (revision of ANSI/IEEE 497-2010)

This standard contains the functional and design criteria for accident monitoring instrumentation for new plant designs and nuclear power generating stations desiring to perform design modifications.

Single copy price: $56.00 (pdf): $70.00 (print)

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IEEE (Institute of Electrical and Electronics Engineers)

Revision

BSR/IEEE 802.15.3-201x, Standard for High Data Rate Wireless Multi-Media Networks (revision of ANSI/IEEE 802.15.3-2003 (R2008))

This standard defines PHY and MAC specifications for high-data-rate wireless connectivity (typically over 200 Mbps) with fixed, portable, and moving devices. Data rates are high enough to satisfy a set of consumer multimedia industry needs, as well as to support emerging wireless switched point-to-point and high-rate close-proximity point-to-point applications.

Single copy price: $312.00 (pdf): $390.00 (print)

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IEEE (Institute of Electrical and Electronics Engineers)

Revision

BSR/IEEE C37.45-201x, Standard Design Tests and Specifications for High Voltage (> 1000 V) Distribution Class Enclosed Single-Pole Air Switches (revision of ANSI/IEEE C37.45-2007)

This standard establishes design tests and specifications for high-voltage (above 1000 V) distribution-class enclosed single-pole air switches and associated accessories with rated voltages up to 8.3 kV. All of these devices are intended for use on alternating current distribution systems. These design tests and specifications apply to the following specific types of equipment: (a) Distribution-class enclosed single-pole air switches; (b) Supports, mountings, fuse hooks, and tongs, all of the type used exclusively with distribution-class enclosed single-pole air switches; and (c) Distribution-class enclosed single-pole air switches used in enclosure packages.

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IEEE (Institute of Electrical and Electronics Engineers)

Revision

BSR/IEEE C37.119-201x, Guide for Breaker Failure Protection of Power Circuit Breakers (revision of ANSI/IEEE C37.119-2005 (R2010))

This guide describes methods to protect a power system from faults that are not cleared because of failure of a power circuit breaker to operate or interrupt when called upon by a protective relay. The intent is to give the reader a guide in how to detect that a breaker has failed to clear a fault, and how to electrically isolate the fault after the breaker has failed to clear the fault. Additionally, schemes which provide primary protection of the power system from performance failures of the power circuit breaker other than fault-clearing failures such as failure to operate, either tripping or closing, manual or automatic, are also described.

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IEEE (Institute of Electrical and Electronics Engineers)

Revision

BSR/IEEE C62.36-201x, Standard Test Methods for Surge Protectors and Protective Circuits Used in Information and Communications Technology (ICT) Circuits, and Smart Grid Data Circuits (revision of ANSI/IEEE C62.36 -2000 (R2006))

This standard applies to surge protectors for application on multiconductor balanced or unbalanced information and communications technology (ICT) circuits, and smart grid data circuits. These surge protectors are designed to limit voltage surges, current surges, or both. The surge protectors covered are generally multiple-component series or parallel combinations of linear or non-linear elements, packaged or organized for the purpose of limiting voltage, current, or both.

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

New Standard

BSR INCITS 491-201x, Information technology - SCSI/ATA Translation - 4 (SAT-4) (new standard)

The SCSI/ATA Translation defines standard mappings and behaviors among implementations that effect the behavior of SCSI devices as viewed by a host driver where the physical devices are ATA class devices presented to the host by applying a translation layer between the Serial ATA or Parallel ATA device and the SCSI interface. This project creates the next generation of translation of SCSI commands and behaviors into the ATA commands and behaviors, leveraging the previous SAT standard for expansion.

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

New Standard

BSR INCITS 518-201x, Information technology - SCSI Enclosure Services - 3 (SES-3) (new standard)

This standard documents the commands and parameters necessary to manage and sense the state of the power supplies, the cooling devices, the displays, the indicators, the individual storage devices, and other non-SCSI elements installed in an enclosure. The command set uses the Send Diagnostic command and the Receive Diagnostic Results command (see SPC-5) to obtain configuration information for the enclosure and to set and sense information for each type of element that may be installed in the enclosure.

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

New Standard

BSR INCITS 544-201x, Information technology - Fibre Channel - Single Byte Command Code Sets - 6 (FC-SB-6) (new standard)

Development of a set of technical additions and clarifications to INCITS 485-2014, Fibre Channel - Single-Byte Command Code Sets - 5 Mapping Protocol (FC-SB-5) to define enhancements to the transport mode controls to expand the capabilities and increase the efficiency of transport-mode operations.

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UL (Underwriters Laboratories, Inc.)

New National Adoption

BSR/UL 60730-2-9-201X, Automatic Electrical Controls - Part 2-9: Particular Requirements for Temperature Sensing Controls (national adoption of IEC 60730-2-9 with modifications and revision of ANSI/UL 60730-2-9-2013)

This standard covers automatic electrical temperature sensing controls for use in, on, or in association with equipment, including electrical controls for heating, air-conditioning and similar applications. The equipment may use electricity, gas, oil, solid fuel, solar thermal energy, etc., or a combination thereof.

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

INCITS TR-24-1999 (R2017), Fibre Channel Tape and Tape Medium Changers (FC-TAPE) (TECHNICAL REPORT) (technical report)

Reaffirmation of INCITS TR-24-1999. This technical report defines a profile that selects the features and options of certain standards that are required to operate streaming devices and medium changers in a Public arbitrated loop environment. Devices that operate in a Public arbitrated loop environment are by definition capable of operating in a Private arbitrated loop environment. The primary objective of this technical report is the precise definition of those options so that devices conforming with this profile are guaranteed to operate. A second objective of this technical report is to simplify implementations and their associated documentation, testing, and support requirements. This technical report prohibits and requires both mandatory and optional features of the referenced standards to meet these objectives.

Single copy price: $60.00

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

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

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

INCITS TR-46:2011 (R2017), Information technology - Fibre Channel - Methodologies for Signal Quality Specification (FC-MSQS (Technical Report) (technical report)

Reaffirmation of INCITS TR-46:2011. Provides definitions and measurement requirements for parameters related to signal quality on FC links. The document describes measurement methods for non-equalized and equalized links. The document describes new types of jitter associated with reference receivers and methods for determining signal quality in closed eye systems. MSQS does not supersede the previously published Fibre Channel Methodologies for Jitter and Signal Quality Specification technical report (referred to in this standard as FC-MJSQ). MSQS represents additional information and methods that are not included in FC-MJSQ.

Single copy price: $60.00

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

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

Notice of Withdrawn ANS by an ANSI-Accredited Standards Developer

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

ASABE (American Society of Agricultural and Biological Engineers)

ANSI/ASAE S278.7-2003 (R2009), Agricultural wheeled tractors and implements - Three-point hitch couplers - Part 1: U-frame coupler (ISO 11001-1:1993)

Questions may be directed to: Carla VanGilder, (269) 932-7015, vangilder@asabe.org

Standard Withdrawn

ANSI/ASAE S278.7-2003 (R2009)

ASABE has withdrawn ANSI/ASAE S278.7 JUL2003 (ISO 11001-1:1993) (R2009), Agricultural wheeled tractors and implements - Three-point hitch couplers - Part 1: U-frame coupler. It has been replaced with the adoption of ISO 11001-1:2016, ANSI/ASABE AD11001-1:2016 NOV2016, Agricultural wheeled tractors - Three-point hitch couplers - Part 1: U-frame coupler. Please direct inquiries to Carla VanGilder, (269) 932-7015, vangilder@asabe.org.

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.

ASSE (ASC A10) (American Society of Safety Engineers)

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

Contact: *Tim Fisher*

Phone: (847) 768-3411

Fax: (847) 296-9221

E-mail: TFisher@ASSE.org

BSR/ASSE A10.19-201X, Safety Requirements for Pile Installation and Extraction Operations (revision of ANSI/ASSE A10.19-2008)

ECIA (Electronic Components Industry Association)

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

Contact: *Laura Donohoe*

Phone: (571) 323-0294

Fax: (571) 323-0245

E-mail: ldonohoe@ecianow.org

BSR/EIA 225-A-201x, Rigid coaxial transmission lines 50 ohms (new standard)

BSR/EIA 364-96A-201x, Plated Through Hole Integrity Test Procedure for Electrical Connectors (revision and redesignation of ANSI/EIA 364 -96-2002 (R2016))

BSR/EIA 469-E-201x, Standard Test Method for Destructive Physical Analysis (DPA) of Ceramic Monolithic Capacitors (revision and redesignation of ANSI/EIA-469-D-2006)

BSR/EIA 977-201x, Test Method - Electronic Passive Components Exposure to Atmospheric Sulfur (new standard)

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

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

Contact: *Rachel Porter*

Phone: (202) 626-5741

Fax: 202-638-4922

E-mail: comments@itic.org

BSR INCITS 491-201x, Information technology - SCSI/ATA Translation - 4 (SAT-4) (new standard)

BSR INCITS 518-201x, Information technology - SCSI Enclosure Services - 3 (SES-3) (new standard)

BSR INCITS 535-201x, Information technology - ATA/ATAPI Serial Transport 2 (AST-2) (new standard)

BSR INCITS 544-201x, Information technology - Fibre Channel - Single Byte Command Code Sets - 6 (FC-SB-6) (new standard)

NSF (NSF International)

Office: 789 N. Dixboro Road
Ann Arbor, MI 48105-9723

Contact: *Lauren Panoff*

Phone: (734) 769-5197

E-mail: lpanoff@nsf.org

BSR/NSF 46-201x (i30r1), Evaluation of components and devices used in wastewater treatment systems (revision of ANSI/NSF 46-2016)

BSR/NSF 50-201x (i120r1), Equipment for Swimming Pools, Spas, Hot Tubs and Other Recreational Water Facilities (revision of ANSI/NSF 50-2016)

BSR/NSF 50-201x (i123r1), Equipment for Swimming Pools, Spas, Hot Tubs and Other Recreational Water Facilities (revision of ANSI/NSF 50-2016)

Call for Members (ANS Consensus Bodies)

UL Standards Technical Panel for Alarm System Services, STP 205

STP 205 covers the following UL Standards for Safety:

UL 681, Installation and Classification of Burglar and Holdup Alarm Systems
UL 827, Central-Station Alarm Services
UL 1641, Installation and Classification of Residential Burglar Alarm Systems
UL 1981, Central-Station Automation Systems

UL is seeking representatives from the following interest categories to serve on STP 205:

- AHJ
- Commercial/Industrial User
- General Interest
- Supply Chain
- Testing and Standards Organization

Inquiries regarding membership should be sent to Paul Lloret at the following email address: paul.e.lloret@ul.com.

Call for Members (ANS Consensus Bodies)

Call for Committee Members

ASC O1 – Safety Requirements for Woodworking Machinery

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

- General Interest
- Government
- Producer
- User

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

Final Actions on American National Standards

The standards actions listed below have been approved by the ANSI Board of Standards Review (BSR) or by an ANSI-Audited Designator, as applicable.

AAMI (Association for the Advancement of Medical Instrumentation)

Reaffirmation

ANSI/AAMI/ISO 22442-3-2011 (R2016), Medical devices utilizing animal tissues and their derivatives - Part 3: Validation of the elimination and/or inactivation of viruses and transmissible spongiform encephalopathy (TSE) agents (reaffirmation of ANSI/AAMI/ISO 22442-3-2007 (R2011)): 11/22/2016

ASABE (American Society of Agricultural and Biological Engineers)

New National Adoption

ANSI/ASABE AD26322-1:2008 NOV16, Tractors for agriculture and forestry - Safety- Part 1: Standard Tractors (national adoption of ISO 26322-1:2008 with modifications and revision of ANSI/ASABE/ISO 26322-1-2012): 11/22/2016

Revision

ANSI/ASABE S588.1-NOV16, Uniform Terminology for Air Quality (revision and redesignation of ANSI/ASABE S588-2012): 11/22/2016

ASME (American Society of Mechanical Engineers)

Reaffirmation

ANSI/ASME B89.1.10M-2001 (R2016), Dial Indicators (for Linear Measurement) (reaffirmation of ANSI/ASME B89.1.10M-2001 (R2011)): 11/22/2016

ATIS (Alliance for Telecommunications Industry Solutions)

Stabilized Maintenance

ANSI/ATIS 0300269-2006 (S2016), Structure and Representation of Trace Message Formats for Information Exchange (stabilized maintenance of ANSI/ATIS 0300269-2006 (R2011)): 11/22/2016

Withdrawal

ANSI/ATIS 0300228-2011, OAM&P - Services for Interfaces between Operations Systems across Jurisdictional Boundaries to Support Fault Management (Trouble Administration) (withdrawal of ANSI/ATIS 0300228-2011): 11/22/2016

AWS (American Welding Society)

New National Adoption

ANSI/AWS A5.10/A5.10M-2016 (ISO 18273-2004 MOD), Welding Consumables - Wire Electrodes, Wires and Rods for Welding of Aluminum and Aluminum Alloys - Classification (identical national adoption of ISO 18273:2004 and revision of ANSI/AWS A5.10/A5.10M:2012 (ISO 18273:2004 MOD)): 11/22/2016

GTESS (Georgia Tech Energy & Sustainability Services)

Revision

ANSI/MSE 50028-2016, Superior energy performance - Requirements for verification bodies for use in accreditation or other forms of recognition (revision of ANSI/MSE 50028-2012): 11/22/2016

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

Reaffirmation

INCITS/ISO/IEC 14752:2000 [R2016], Information Technology - Open Distributed Processing - Protocol Support for Computational Interactions (reaffirmation of INCITS/ISO/IEC 14752-2000 [R2011]): 11/22/2016

Withdrawal

INCITS 476-2011, Information Technology - SAS Protocol Layer (SPL) (withdrawal of INCITS 476-2011): 11/22/2016

SCTE (Society of Cable Telecommunications Engineers)

Revision

ANSI/SCTE 09-2016, Test Method for Cold Bend (revision of ANSI/SCTE 09-2010): 11/22/2016

ANSI/SCTE 27-2016, Subtitling Methods for Broadcast Cable (revision of ANSI/SCTE 27-2011): 11/22/2016

ANSI/SCTE 40-2016, Digital Cable Network Interface Standard (revision of ANSI/SCTE 40-2012): 11/22/2016

ANSI/SCTE 41-2016, POD Copy Protection System (revision of ANSI/SCTE 41-2011): 11/22/2016

ANSI/SCTE 56-2016, Digital Multiprogram Distribution by Satellite (revision of ANSI/SCTE 56-2011): 11/22/2016

ANSI/SCTE 186-2016, Product Environmental Requirements for Cable Telecommunications (revision of ANSI/SCTE 186-2012): 11/22/2016

UL (Underwriters Laboratories, Inc.)

New Standard

* ANSI/UL 2272-2016, Standard for Safety for Electrical Systems for Self-Balancing Scooters (new standard): 11/21/2016

* ANSI/UL 2272-2016a, Standard for Safety for Electrical Systems for Self-Balancing Scooters (new standard): 11/21/2016

ANSI/UL 9540-2016, Standard for Safety for Energy Storage Systems and Equipment (new standard): 11/21/2016

Reaffirmation

* ANSI/UL 729-2008 (R2016), Standard for Safety for Oil-Fired Floor Furnaces (reaffirmation of ANSI/UL 729-2008 (R2012)): 11/22/2016

* ANSI/UL 730-2008 (R2016), Standard for Safety for Oil-Fired Wall Furnaces (reaffirmation of ANSI/UL 730-2008 (R2012)): 11/22/2016

* ANSI/UL 731-2004 (R2016), Standard for Safety for Oil-Fired Unit Heaters (reaffirmation of ANSI/UL 731-2004 (R2012)): 11/22/2016

* ANSI/UL 896-2004 (R2016), Standard for Safety for Oil-Burning Stoves (reaffirmation of ANSI/UL 896-2004 (R2012)): 11/22/2016

Revision

ANSI/UL 583-2016a, Standard for Safety for Electric-Battery-Powered Industrial Trucks (Proposal dated 7-15-16) (revision of ANSI/UL 583 -2016): 11/23/2016

ANSI/UL 583-2016b, Standard for Safety for Electric-Battery-Powered Industrial Trucks (Proposal dated 9-30-16) (revision of ANSI/UL 583 -2016): 11/23/2016

* ANSI/UL 1647-2016, Motor-Operated Massage and Exercise Machines (revision of ANSI/UL 1647-2015): 11/18/2016

* ANSI/UL 1647-2016a, Standard for Safety for Motor-Operated Massage and Exercise Machines (Proposal dated 10/14/16) (revision of ANSI/UL 1647-2015): 11/18/2016

* ANSI/UL 8750-2016b, Standard for Safety for Light Emitting Diode (LED) Equipment for Use in Lighting Products (revision of ANSI/UL 8750-2015): 11/23/2016

Project Initiation Notification System (PINS)

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

Following is a list of proposed actions and new ANS that have been received recently from ASDs. Please also review the section in Standards Action entitled "American National Standards Maintained Under Continuous Maintenance" for additional or comparable information with regard to standards maintained under the continuous maintenance option. To view information about additional standards for which a PINS has been submitted and to search approved ANS, please visit www.NSSN.org, which is a database of standards information. Note that this database is not exhaustive.

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

AAFS (American Academy of Forensic Sciences)

Office: 410 North 21st Street
Colorado Springs, CO 80904

Contact: *Teresa Ambrosius*

E-mail: TAmbrosius@aafs.org

BSR/ASB BPR 012-201x, Guideline for the Articulation of the Decision Making Process Leading to an Expert Opinion of Source Identification in Friction Ridge Examination (new standard)

Stakeholders: Friction ridge professionals.

Project Need: This document offers a best practice recommendation for articulating the decision-making process leading to the source identification conclusion resulting from the examination of friction ridge evidence.

This document only addresses an explanation of how the source identification decision is made and what it means. This document does not address how examinations are conducted, documented, or criteria for sufficient justification of the source identification decision in a specific case at hand. Furthermore, this document does not address or consider other possible decisions or conclusions that may result from the examination of friction ridge evidence.

BSR/ASB Std 013-201x, Standard for Reporting Qualitative Source Conclusions (new standard)

Stakeholders: Friction ridge professionals.

Project Need: This document will provide needed guidance to practitioners in the field.

This document specifies the standard framework for reporting qualitative source conclusions, which may be augmented by quantitative data, resulting from the examination of friction ridge evidence. This document does not address conclusions derived directly from validated probability models or quantitative processes. Furthermore, this document does not address how examinations are conducted, documented, or criteria for sufficient justification of specific conclusions in a case at hand.

BSR/ASB Std 014-201x, Standard for Training to Competency to Perform Friction Ridge Examination (new standard)

Stakeholders: Friction ridge professionals.

Project Need: This document will provide needed guidance to practitioners in the field.

This document specifies the minimum requirements for training to competency to perform friction ridge examination. It includes a list of modules and topics that shall be included in an organization's training program. This document is not a training program and does not address best practice recommendations for how training should be administered nor does it address minimum criteria for successful evaluation.

BSR/ASB Std 015-201x, Standard for the Examination of Friction Ridge Evidence (new standard)

Stakeholders: Friction ridge professionals.

Project Need: This document specifies the minimum requirements for conducting friction ridge examinations.

This document includes the overarching examination framework as well as specific requirements for each component of the examination method. This document includes minimum requirements for how examinations shall be conducted, documented, and justified based on clearly demonstrable and articulable criteria. This document does not address specific requirements for quality assurance/quality control of the examination method.

BSR/ASB Std 017-201x, Standard Practices for Measurement Traceability in Forensic Toxicology (new standard)

Stakeholders: Forensic toxicology professionals.

Project Need: The fundamental reason for establishing traceability of a measurement is to ensure confidence and reliability in forensic toxicological test results.

This Standard will be developed to provide minimum requirements for establishing measurement traceability in Forensic Toxicology laboratories.

BSR/ASB Std 018-201x, Validation Standards for Probabilistic Genotyping Systems (new standard)

Stakeholders: DNA professionals.

Project Need: This document will provide needed guidance to practitioners in the field.

Provides standards for the validation of probabilistic genotyping software.

ASME (American Society of Mechanical Engineers)

Office: Two Park Avenue
New York, NY 10016
Contact: *Mayra Santiago*
Fax: (212) 591-8501
E-mail: ansibox@asme.org

BSR/ASME B30.12-201x, Handling Loads Suspended from Rotorcraft (revision of ANSI/ASME B30.12-2011)

Stakeholders: This document will apply to users, manufacturers, trainers, jurisdictional authorities, owners, and those with a general interest in the safe operation of handling loads suspended from rotorcraft.

Project Need: The B30.12 Volume is being reviewed and revised to incorporate updates based on best practices and lessons learned in the industry.

This Volume applies to the protection of flight crews, ground personnel, and property on the surface while working directly with or in the vicinity of rotorcraft conducting external-load operations. Within the general scope as defined in Section I of the Introduction, B30.12 applies to the handling of loads suspended from rotorcraft using a cargo sling or powered hoist, or other attaching means, to lift, carry, pull, or tow a jettisonable load outside of the rotorcraft airframe.

BSR/ASME PCC-1-201x, Guidelines for Pressure Boundary Bolted Flange Joint Assembly (revision of ANSI/ASME PCC-1-2013)

Stakeholders: Users, manufacturers, distributors, consultants, and government.

Project Need: This standard provides updates to the 2013 edition of the guidelines for pressure boundary bolted flange joint assembly standard.

The bolted flange join assembly (BFJA) guidelines described in this document apply to pressure-boundary flanged joints with ring-type gaskets that are entirely within the circle enclosed by the bolt holes and with no contact outside this circle. By selection of those features suitable to the specific service or need, these guidelines may be used to develop effective joint assembly procedures for the broad range of sizes and service conditions normally encountered in the process industries.

ASTM (ASTM International)

Office: 100 Barr Harbor Drive
West Conshohocken, PA 19428-2959
Contact: *Corice Leonard*
Fax: (610) 834-3683
E-mail: accreditation@astm.org

BSR/ASTM WK56607-201x, New test methods for bench-scale test methods for classifying the smolder ignition performance of upholstered furniture components (new standard)

Stakeholders: Furnishings and Contents industry

Project Need: This includes various bench-scale test methods for assessing the smolder ignition and performance properties of certain upholstered furniture construction components and composite component configurations using a cigarette ignition source, for the following materials; exterior cover fabrics, resilient filling materials, interior decking materials, and interior barrier materials (interlining).

https://www.astm.org/DATABASE.CART/WORKITEMS/WK56607.htm

BSR/ASTM WK56615-201x, New Specification for Polyethylene (PE) Fabricated Pressure Pipe Bends (Elbows) Conveying Liquid Hydrocarbons and/or Natural Gas for Gathering and Distribution, in Nominal Iron Pipe Diameters (IPS) 4 inch to 36 inch, Manufactured by Heat Fusion Joining Gore-Pipe Miter-Cut Segments, or by Machining, or by Malleable Thermo-Bending (new standard)

Stakeholders: Fittings industry.

Project Need: This specification covers the requirements and test methods for polyethylene material, gore-pipe requirements, bend dimensions, bend hydrostatic qualification, and pressure design as pressure vessel components joined with pipe mains to convey natural gas, fuel gas, and liquefied petroleum gas (LPG and LNG), crude or refined oil, oil derivatives, and oil-water mixtures.

https://www.astm.org/DATABASE.CART/WORKITEMS/WK56615.htm

BSR/ASTM WK56625-201x, New practice for procedures to prevent contamination in PE pipe and fittings (new standard)

Stakeholders: Olefin Based Pipe industry.

Project Need: Develop new standard, Proposed to be adopted by DOT.

https://www.astm.org/DATABASE.CART/WORKITEMS/WK56625.htm

BSR/ASTM WK56632-201x, New Practice for Evaluating Natural Equestrian Footing Materials for Particle Size and Shape, Texture, Organic Matter, and Carbonates (new standard)

Stakeholders: Equestrian Surfaces industry.

Project Need: This scope of this standard is to establish a practice whereby equestrian footing (natural) soil materials may be evaluated for particle size evaluation and shape, texture, organic matter, and carbonates.

https://www.astm.org/DATABASE.CART/WORKITEMS/WK56632.htm

BSR/ASTM WK56644-201x, New Guide for Construction or Renovation of Native-Soil Athletic Fields (new standard)

Stakeholders: Natural Playing Surfaces industry.

Project Need: This guide covers techniques that are appropriate for the construction of native-soil rootzones for athletic fields. This guide is also applicable to soils which are not native to the site but are natural (non-sand) imported soils.

https://www.astm.org/DATABASE.CART/WORKITEMS/WK56644.htm

BSR/ASTM WK56652-201x, New Guide for Designation of Turfgrass Athletic Field Maintenance Programs (new standard)

Stakeholders: Natural Playing Surfaces industry.

Project Need: Different types of athletic field installations have different levels of use and expectations of performance.

https://www.astm.org/DATABASE.CART/WORKITEMS/WK56652.htm

AWS (American Welding Society)

Office: 8669 NW 36 ST., #130
Miami, FL 33166
Contact: *Peter Portela*
Fax: (305) 443-5951
E-mail: pportela@aws.org

BSR/AWS C7.3-201x, Process Specification for Electron Beam Welding (revision of ANSI/AWS C7.3-2016)

Stakeholders: ANSI, AWS, Manufacturers using electron beam welding, Welding engineers, machine operators, general public (confidence in soundness of electron beam welds).

Project Need: Provide a baseline document to aid engineers and operators in the electron beam welding industry in the preparation of Welding Process Specification documents. These documents provide a means for the engineers and operators to qualify and certify the soundness of a given weld and welding procedure.

This specification addresses processing and quality control requirements for electron beam welding. Processing includes both high- and low-voltage welding equipment and high and medium vacuum variations.

ECIA (Electronic Components Industry Association)

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

Contact: *Laura Donohoe*

Fax: (571) 323-0245

E-mail: ldonohoe@ecianow.org

BSR/EIA 225-A-201x, Rigid coaxial transmission lines 50 ohms (new standard)

Stakeholders: Electronics, electrical and telecommunications industries.

Project Need: Update withdrawn standard to reflect current use.

This standard pertains exclusively to gas-filled rigid coaxial transmission lines and connectors. This standard does not apply to any semi-flexible transmission lines or connectors. This standard provides complete mechanical interchangeability for all lines and connectors. The drawings referred to in the standard do not restrict electrical design parameters; the drawings define the mechanical limits necessary for mechanical interchangeability.

BSR/EIA 364-96A-201x, Plated Through Hole Integrity Test Procedure for Electrical Connectors (revision and redesignation of ANSI/EIA 364-96-2002 (R2016))

Stakeholders: Electronics, electrical and telecommunications industries.

Project Need: Revise and redesignate the current American National Standard.

This test method applies to compliant pins inserted in printed circuit boards with plated-through-holes (PTH).

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

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

Contact: *Rachel Porter*

Fax: 202-638-4922

E-mail: comments@itic.org

BSR INCITS 535-201x, Information technology - ATA/ATAPI Serial Transport 2 (AST-2) (new standard)

Stakeholders: ICT industry.

Project Need: The nature of the project is to ensure that ATA Architecture, INCITS 493-2012, devices have an upward, highly compatible growth path. This will ensure that new features and functions developed by the computer industry will have a standardization vehicle.

This project would be an evolutionary follow on to INCITS 493-2012, ATA8 - ATA/ATAPI ATA Serial Transport (ATA8-AST). The project would address (a) new features that were not sufficiently developed for ATA8-AST (e.g., SATA 3.1 and SATA 3.2); and (b) any other proposals or modifications.

SCTE (Society of Cable Telecommunications Engineers)

Office: 140 Phillips Rd
Exton, PA 19341

Contact: *Kim Cooney*

E-mail: kcooney@scte.org

BSR/SCTE 16-201x, Test Procedure for Hum Modulation (revision of ANSI/SCTE 16-2012)

Stakeholders: Cable Telecommunications industry.

Project Need: Update to current technology.

To define and measure hum modulation in active and passive broadband RF telecommunications equipment and sub-assemblies. This procedure presents two methods for measuring hum modulation in the time domain, with a sensitivity exceeding -80 dB. These methods are referred to as the 1 dB delta and the differential voltage method. A mathematical relationship between time domain and frequency domain measurement methods is also provided.

BSR/SCTE 29-201x, Torque Requirements for Bond Wire Penetration of Bonding Set Screw (revision of ANSI/SCTE 29-2012)

Stakeholders: Cable Telecommunications industry.

Project Need: Update to current technology.

This test procedure is to determine the mechanical force needed to penetrate bonding wire to the appropriate depth. Bonding wire penetration should be 25 +/-1% of wire O.D.

UL (Underwriters Laboratories, Inc.)

Office: 333 Pfingsten Road
Northbrook, IL 60062-2096

Contact: *Alan McGrath*

Fax: (847) 664-3038

E-mail: alan.t.mcgrath@ul.com

BSR/UL 60335-2-89-201X, Standard for Household and Similar Electrical Appliances - Safety - Part 2-89: Particular Requirements for Commercial Refrigerating Appliances with an Incorporated or Remote Refrigerant Unit or Compressor (identical national adoption of IEC 60335-2-89)

Stakeholders: Manufacturers of commercial refrigerating appliance, users of this equipment, AHJ's, and the like.

Project Need: To obtain national recognition of a standard covering a commercial refrigerating appliance.

This standard covers commercial refrigerating appliance with an incorporated or remote refrigerant unit or compressor. It also covers refrigerating appliances that are supplied in two units for assembly as a single appliance in accordance with the manufacturer's instructions (split system).

BSR/UL 60730-2-22-201X, Standard for Automatic Electrical Controls - Part 2-22: Particular Requirements for Thermal Motor Protectors (identical national adoption of IEC 60730-2-22)

Stakeholders: Manufacturers of thermal motor protectors and AHJs.

Project Need: To obtain national recognition of a standard covering thermal motor protectors.

This part of IEC 60730 applies to the partial evaluation of thermal motor protectors as defined in IEC 60730-1 for household and similar use, including heating, air conditioning and similar applications as well as for sealed (hermetic and semi-hermetic type) motor-compressors.

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.

AAFS
American Academy of Forensic Sciences
410 North 21st Street
Colorado Springs, CO 80904
Phone: (703) 980-2555
Web: www.aafs.org

AAMI
Association for the Advancement of Medical Instrumentation
4301 N. Fairfax Dr., Suite 301
Arlington, VA 22203
Phone: (703) 253-8284
Fax: (703) 276-0793
Web: www.aami.org

ASABE
American Society of Agricultural and Biological Engineers
2950 Niles Road
St Joseph, MI 49085
Phone: (269) 932-7015
Fax: (269) 429-3852
Web: www.asabe.org

ASC X9
Accredited Standards Committee X9, Incorporated
275 West Street
Suite 107
Annapolis, MD 21401
Phone: (410) 267-7707
Web: www.x9.org

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

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

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

ATIS
Alliance for Telecommunications Industry Solutions
1200 G Street NW
Suite 500
Washington, DC 20005
Phone: (202) 434-8840
Web: www.atis.org

AWS
American Welding Society
8669 NW 36 ST., #130
Miami, FL 33166
Phone: (305) 443-9353
Fax: (305) 443-5951
Web: www.aws.org

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

BIFMA
Business and Institutional Furniture Manufacturers Association
678 Front Ave. NW
Grand Rapids, MI 49504
Phone: (616) 285-3963
Fax: (616) 285-3765
Web: www.bifma.org

ECIA
Electronic Components Industry Association
2214 Rock Hill Road
Suite 265
Herndon, VA 20170-4212
Phone: (571) 323-0294
Fax: (571) 323-0245
Web: www.ecianow.org

FM
FM Approvals
1151 Boston-Providence Turnpike
Norwood, MA 02062
Phone: (781) 255-4813
Fax: (781) 762-9375
Web: www.fmglobal.com

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

IEEE
Institute of Electrical and Electronics Engineers (IEEE)
445 Hoes Lane
Piscataway, NJ 08854
Phone: (732) 562-3854
Fax: (732) 796-6966
Web: www.ieee.org

ITI (INCITS)
InterNational Committee for Information Technology Standards
1101 K Street NW
Suite 610
Washington, DC 20005-3922
Phone: (202) 626-5737
Fax: 202-638-4922
Web: www.incits.org

NASBLA
National Association of State Boating Law Administrators
1648 McGrathiana Parkway
Suite 360
Lexington, KY 40511
Phone: (859) 225-9487
Web: www.nasbla.org

NSF
NSF International
789 N. Dixboro Road
Ann Arbor, MI 48105-9723
Phone: (734) 827-3813
Web: www.nsf.org

RIC
Remanufacturing Industries Council
1335 Jefferson Rd. #20157
Rochester, NY 14602
Phone: (585) 475-4210
Web: www.remancouncil.org

SAIA (ASC A92)
Scaffold & Access Industry Association
400 Admiral Boulevard
Kansas City, MO 64106
Phone: (816) 595-4860
Web: www.saiaonline.org

SCTE
Society of Cable Telecommunications Engineers
140 Phillips Rd
Exton, PA 19341
Phone: (484) 252-2330
Web: www.scte.org

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

UL
Underwriters Laboratories, Inc.
333 Pfingsten Road
Northbrook, IL 60062-2096
Phone: (847) 664-3038
Fax: (847) 664-3038
Web: www.ul.com

ISO & IEC Draft International Standards

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

Comments

Comments regarding ISO documents should be sent to ANSI's ISO Team (isot@ansi.org); those regarding IEC documents should be sent to Tony Zertuche, General Secretary, USNC/IEC, at ANSI's New York offices (tzertuche@ansi.org). The final date for offering comments is listed after each draft.

Ordering Instructions

ISO and IEC Drafts can be made available by contacting ANSI's Customer Service department. Please e-mail your request for an ISO or IEC Draft to Customer Service at sales@ansi.org. When making your request, please provide the date of the Standards Action issue in which the draft document you are requesting appears.

ISO Standards

ACOUSTICS (TC 43)

ISO/DIS 4869-6, Acoustics - Hearing protectors - Part 6: Determination of sound attenuation of active noise reduction earmuffs - 2/17/2017, $46.00

EQUIPMENT FOR FIRE PROTECTION AND FIRE FIGHTING (TC 21)

ISO/DIS 7240-5, Fire detection and alarm systems - Part 5: Point heat detectors - 11/5/2026, $102.00

LEATHER (TC 120)

ISO/DIS 17551, Leather - Pickled sheep pelts - Guidelines for grading on the basis of defect and size - 12/18/2016, $40.00

MICROBEAM ANALYSIS (TC 202)

ISO/DIS 20263, Microbeam analysis - Analytical transmission electron microscopy - Determination method for interface position in the cross-sectional image of the layered materials - 12/18/2016, $107.00

NUCLEAR ENERGY (TC 85)

ISO/DIS 19226, Nuclear energy - Determination of neutron fluence and displacement per atom (dpa) in reactor vessel and internals - 2/16/2017, $58.00

OPTICS AND OPTICAL INSTRUMENTS (TC 172)

ISO/DIS 11979-10, Ophthalmic implants - Intraocular lenses - Part 10: Clinical investigations of intraocular lenses for correction of ametropia in phakic eyes - 2/15/2017, $71.00

OTHER

ISO/DIS 4098, Leather - Chemical tests - Determination of water-soluble matter, water-soluble inorganic matter and water-soluble organic matter - 12/19/2016, $40.00

PERSONAL SAFETY - PROTECTIVE CLOTHING AND EQUIPMENT (TC 94)

ISO/DIS 11613, Protective clothing for firefighters - Laboratory test methods and performance requirements for fighting fires in structures - 11/9/2027, $93.00

PLASTICS (TC 61)

ISO/DIS 4582, Plastics - Determination of changes in colour and variations in properties after exposure to daylight under glass, natural weathering or laboratory light sources - 1/18/2017, $71.00

ROAD VEHICLES (TC 22)

ISO 6487/DAmd1, Road vehicles - Measurement techniques in impact tests - Instrumentation - Amendment 1 - 12/15/2016, $29.00

ROLLING BEARINGS (TC 4)

ISO 76/DAmd1, Rolling bearings - Static load ratings - Amendment 1 - 12/15/2016, $46.00

SHIPS AND MARINE TECHNOLOGY (TC 8)

ISO/DIS 21070, Ships and marine technology - Marine environment protection - Management and handling of shipboard garbage - 12/16/2016, $77.00

SOLID BIOFUELS (TC 238)

ISO/DIS 20023, Solid biofuels - Safety of solid biofuel pellets - Safe handling and storage of wood pellets in residential and other small-scale applications - 2/12/2017, $112.00

STEEL (TC 17)

ISO/DIS 10144, Steels for the reinforcement and prestressing of conrete - Certification scheme for steel bars and wires - 2/15/2017, $53.00

ISO/DIS 15630-2, Steel for the reinforcement and prestressing of concrete - Test methods - Part 2: Welded fabric and lattice girder - 2/16/2017, $82.00

ISO/DIS 15630-3, Steel for the reinforcement and prestressing of concrete - Test methods - Part 3: Prestressing steel - 2/16/2017, $93.00

ISO/DIS 15835-1, Steels for the reinforcement of concrete - Reinforcement couplers for mechanical splices of bars - Part 1: Requirements - 2/16/2017, $46.00

ISO/DIS 15835-2, Steels for the reinforcement of concrete - Reinforcement couplers for mechanical splices of bars - Part 2: Test methods - 2/16/2017, $53.00

ISO/DIS 15835-3, Steels for the reinforcement of concrete - Reinforcement couplers for mechanical splices of bars - Part 3: Conformity assessment scheme - 2/16/2017, $40.00

TEXTILES (TC 38)

ISO/DIS 1833-4, Textiles - Quantitative chemical analysis - Part 4: Mixtures of certain protein and certain other fibres (method using hypochlorite) - 12/15/2016, $33.00

ISO/DIS 1833-7, Textiles - Quantitative chemical analysis - Part 7: Mixtures of polyamide and certain other fibres (method using formic acid) - 12/15/2016, $33.00

ISO/DIS 1833-11, Textiles - Quantitative chemical analysis - Part 11: Mixtures of certain cellulose fibres with certain other fibres (method using sulfuric acid) - 12/15/2016, $33.00

TRANSPORT INFORMATION AND CONTROL SYSTEMS (TC 204)

ISO/DIS 16410-1, Electronic fee collection - Evaluation of equipment for conformity to ISO 17575-3 - Part 1: Test suite structure and test purposes - 12/15/2016, $185.00

ISO/DIS 17427-1, Intelligent transport systems - Cooperative ITS - Part 1: Roles and responsibilities in the context of co-operative ITS architecture(s) - 12/15/2016, $119.00

IEC Standards

10/1008/CD, IEC 63012 ED1: Insulating liquids - Unused modified or blended esters and mixtures with esters for electrotechnical applications, 2017/2/17

17A/1129/CD, IEC/TR 62271-306 A1 Ed. 1: High-voltage switchgear and controlgear -Part 306: Guide to IEC 62271-100, IEC 62271-1 and other IEC standards related to alternating current circuit-breakers, 2017/1/20

23B/1235/FDIS, IEC 60669-1 Ed. 4: Switches for household and similar fixed-electrical installations - Part 1: General requirements, 017/1/6/

23E/990/CDV, IEC 60755 Ed.1: General safety requirements for residual current operated protective devices - Group safety publication, 2017/2/17

31/1295/NP, PNW 31-1295: Workplace atmospheres - Part 2: Gas detectors - Selection, installation, use and maintenance of detectors for toxic gases and vapours and oxygen, 2017/2/17

45A/1116/CDV, IEC 62887 Ed.1: Nuclear power plants - Instrumentation systems important to safety - Pressure transmitters: Characteristics and test methods, 2017/2/17

48B/2539/FDIS, IEC 61076-2-113 Ed1: Connectors for electronic equipment - Product requirements - Part 2-113: Circular connector - Detail specification for connectors with data and power contacts with M12 screw-locking, 017/1/6/

57/1792/DC, Proposed draft for IEC TR 62351-90-2, Power systems management and associated information exchange - Data and communications security - Part 90-2: Deep Packet Inspection (DPI) of encrypted communications, 2017/1/20

57/1793/DC, Second draft for IEC TR 62361-103, Power systems management and associated information exchange - Interoperability in the long term - Part 103: Standard profiling, 2017/1/20

64/2145/CDV, IEC 60364-7-711: Low voltage electrical installation - Part 7-711: Requirements for special installations or locations - Exhibitions, shows and stands, 2017/2/17

65E/516/CDV, IEC 62714-1 Ed. 2.0: Engineering data exchange format for use in industrial automation systems engineering - Automation Markup Language - Part 1: Architecture and general requirements, 2017/2/17

80/826/RR, Global maritime distress and safety system (GMDSS) - Part 12: Survival craft portable two-way VHF radiotelephone apparatus - Operational and performance requirements, methods of testing and required test results,

82/1212/DTS, IEC TS 62788-7-2 ED1: Measurement procedures for materials used in photovoltaic modules - Part 7-2: Environmental exposures - Accelerated weathering tests of polymeric materials, 2017/2/17

82/1211/DC, Proposed revision of IEC 61730-1 Ed.2: Photovoltaic (PV) module safety qualification - Part 1: Requirements for construction, 017/1/6/

86A/1764/CDV, IEC 60794-1-3/Ed1: Optical fibre cables - Part 1-3: Generic specification - Optical cable elements, 2017/2/17

86B/4025/CDV, IEC 61300-3-30/Ed2: Fibre optic interconnecting devices and passive components -Basic test and measurement procedures - Part 3-30: Examinations and measurements - Endface geometry of rectangular ferrule, 2017/2/17

86C/1427/DTR, IEC TR 61282-15 ED1: Fibre optic communication system design guides - Part 15: Cable plant and link: Testing multi-fibre optic cable plant terminated with MPO connectors, 2017/1/20

86C/1428/DTR, IEC TR 63072-1 ED1: Photonic integrated circuits Part 1: Introduction and roadmap for standardization, 2017/1/20

104/714/CDV, IEC 60068-2-52 Ed.3: Environmental testing - Part 2 -52: Tests - Test Kb: Salt mist, cyclic (sodium chloride solution), 2017/2/17

121A/122/NP, PNW 121A-122: Low-voltage switchgear and controlgear - Ancillary equipment - Terminal blocks for aluminium conductors, 2017/2/17

121A/123/CD, IEC 60947-4-1 Ed. 4: Low-voltage switchgear and controlgear - Part 4-1: Contactors and motor-starters - Electromechanical contactors and motor-starters, 2017/2/17

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

AIR QUALITY (TC 146)

ISO 18466:2016, Stationary source emissions - Determination of the biogenic fraction in CO2 in stack gas using the balance method, $149.00

AIRCRAFT AND SPACE VEHICLES (TC 20)

ISO 17540:2016, Space systems - Liquid rocket engines and test stands - Terms and definitions, $51.00

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

ISO 15673:2016, Guidelines for the simplified design of structural reinforced concrete for buildings, $265.00

FLUID POWER SYSTEMS (TC 131)

ISO 9974-4:2016, Connections for general use and fluid power - Ports and stud ends with ISO 261 threads with elastomeric or metal-to-metal sealing - Part 4: Dimensions, design, test methods and requirements for external hex and internal hex port plugs, $88.00

GLASS IN BUILDING (TC 160)

ISO 16293-4:2016, Glass in building - Basic soda lime silicate glass products - Part 4: Wired patterned glass, $88.00

ISO 16293-5:2016, Glass in building - Basic soda lime silicate glass products - Part 5: Patterned glass, $88.00

HEALTH INFORMATICS (TC 215)

ISO 21549-7:2016, Health informatics - Patient healthcard data - Part 7: Medication data, $200.00

INTERNAL COMBUSTION ENGINES (TC 70)

ISO 15550:2016, Internal combustion engines - Determination and method for the measurement of engine power - General requirements, $200.00

NON-DESTRUCTIVE TESTING (TC 135)

ISO 9934-1:2016, Non-destructive testing - Magnetic particle testing - Part 1: General principles, $123.00

PETROLEUM PRODUCTS AND LUBRICANTS (TC 28)

ISO 15380:2016, Lubricants, industrial oils and related products (class L) - Family H (Hydraulic systems) - Specifications for hydraulic fluids in categories HETG, HEPG, HEES and HEPR, $149.00

ISO 19291:2016, Lubricants - Determination of tribological quantities for oils and greases - Tribological test in the translatory oscillation apparatus, $123.00

ROAD VEHICLES (TC 22)

ISO 2698:2016, Diesel engines - Clamp-mounted fuel injectors, types 7 and 28, $51.00

ISO 2974:2016, Diesel engines - 60° female cones for high-pressure fuel injection components, $88.00

ISO 19724:2016, Gasoline engines with direct injection - Cleanliness assessment of fuel injection equipment, $51.00

ISO 18418-1:2016, Gasoline engines - Medium pressure liquid fuel supply connections - Part 1: 60° female cone connectors, $51.00

RUBBER AND RUBBER PRODUCTS (TC 45)

ISO 4641:2016, Rubber hoses and hose assemblies for water suction and discharge - Specification, $88.00

SERVICE ACTIVITIES RELATING TO DRINKING WATER SUPPLY SYSTEMS AND WASTEWATER SYSTEMS - QUALITY CRITERIA OF THE SERVICE AND PERFORMANCE INDICATORS (TC 224)

ISO 24516-1:2016, Guidelines for the management of assets of water supply and wastewater systems - Part 1: Drinking water distribution networks, $200.00

SPORTS AND RECREATIONAL EQUIPMENT (TC 83)

ISO 10256-1:2016, Protective equipment for use in ice hockey - Part 1: General requirements, $51.00

ISO 10256-2:2016, Protective equipment for use in ice hockey - Part 2: Head protection for skaters, $149.00

ISO 10256-3:2016, Protective equipment for use in ice hockey - Part 3: Face protectors for skaters, $173.00

ISO 10256-4:2016, Protective equipment for use in ice hockey - Part 4: Head and face protection for goalkeepers, $88.00

TRANSFUSION, INFUSION AND INJECTION EQUIPMENT FOR MEDICAL USE (TC 76)

ISO 8536-6:2016, Infusion equipment for medical use - Part 6: Freeze drying closures for infusion bottles, $123.00

TRANSPORT INFORMATION AND CONTROL SYSTEMS (TC 204)

ISO 13140-2:2016, Electronic fee collection - Evaluation of on-board and roadside equipment for conformity to ISO 13141 - Part 2: Abstract test suite, $123.00

ISO 13143-1:2016, Electronic fee collection - Evaluation of on-board and roadside equipment for conformity to ISO 12813 - Part 1: Test suite structure and test purposes, $240.00

ISO 13143-2:2016, Electronic fee collection - Evaluation of on-board and roadside equipment for conformity to ISO 12813 - Part 2: Abstract test suite, $123.00

WELDING AND ALLIED PROCESSES (TC 44)

ISO 17635:2016, Non-destructive testing of welds - General rules for metallic materials, $123.00

ISO 17637:2016, Non-destructive testing of welds - Visual testing of fusion-welded joints, $88.00

ISO Technical Reports

NANOTECHNOLOGIES (TC 229)

ISO/TR 18637:2016, Nanotechnologies - Overview of available frameworks for the development of occupational exposure limits and bands for nano-objects and their aggregates and agglomerates (NOAAs), $240.00

ISO/IEC JTC 1, Information Technology

ISO/IEC 9541-1/Amd1:2016, Information technology - Font information interchange - Part 1: Architecture - Amendment 1, $173.00

ISO/IEC 9594-8/Cor3:2016, Information technology - Open Systems Interconnection - The Directory - Part 8: Public-key and attribute certificate frameworks - Corrigendum, FREE

ISO/IEC 27011:2016, Information technology - Security techniques - Code of practice for Information security controls based on ISO/IEC 27002 for telecommunications organizations, $173.00

ISO/IEC TS 24748-6:2016, Systems and software engineering - Life cycle management - Part 6: System integration engineering, $173.00

OTHER

ISO/IEC 17021-2:2016, Conformity assessment - Requirements for bodies providing audit and certification of management systems - Part 2: Competence requirements for auditing and certification of environmental management systems, $88.00

IEC Standards

ALARM SYSTEMS (TC 79)

IEC 60839-11-31 Ed. 1.0 b:2016, Alarm and electronic security systems - Part 11-31: Electronic access control systems - Core interoperability protocol based on Web services, $411.00

IEC 60839-11-32 Ed. 1.0 b:2016, Alarm and electronic security systems - Part 11-32: Electronic access control systems - Access control monitoring based on Web services, $339.00

EQUIPMENT FOR ELECTRICAL ENERGY MEASUREMENT AND LOAD CONTROL (TC 13)

IEC 62052-11 Amd.1 Ed. 1.0 b:2016, Amendment 1 - Electricity metering equipment (a.c.) - General requirements, tests and test conditions - Part 11: Metering equipment, $48.00

IEC 62052-11 Ed. 1.1 b:2016, Electricity metering equipment (a.c.) - General requirements, tests and test conditions - Part 11: Metering equipment, $363.00

IEC 62052-21 Amd.1 Ed. 1.0 b:2016, Amendment 1 - Electricity metering equipment (a.c.) - General requirements, tests and test conditions - Part 21: Tariff and load control equipment, $61.00

IEC 62052-21 Ed. 1.1 b:2016, Electricity metering equipment (a.c.) - General requirements, tests and test conditions - Part 21: Tariff and load control equipment, $424.00

FLAT PANEL DISPLAY DEVICES (TC 110)

IEC 62908-13-10 Ed. 1.0 en:2016, Touch and interactive displays - Part 13-10: Reliability test methods of touch displays - Environmental durability test methods, $85.00

INSULATING MATERIALS (TC 15)

IEC 60674-3-8 Amd.1 Ed. 1.0 b:2016, Amendment 1 - Plastic films for electrical purposes - Part 3: Specifications for individual materials - Sheet 8: Balanced biaxially oriented polyethylene naphthalate (PEN) films used for electrical insulation, $14.00

IEC 60674-3-8 Ed. 1.1 b:2016, Plastic films for electrical purposes - Part 3: Specifications for individual materials - Sheet 8: Balanced biaxially oriented polyethylene naphthalate (PEN) films used for electrical insulation, $91.00

LAMPS AND RELATED EQUIPMENT (TC 34)

IEC 62035 Amd.1 Ed. 2.0 b:2016, Amendment 1 - Discharge lamps (excluding fluorescent lamps) - Safety specifications, $48.00

IEC 62035 Ed. 2.1 b:2016, Discharge lamps (excluding fluorescent lamps) - Safety specifications, $363.00

POWER ELECTRONICS (TC 22)

IEC 62040-2 Ed. 3.0 b:2016, Uninterruptible power systems (UPS) - Part 2: Electromagnetic compatibility (EMC) requirements, $278.00

S+ IEC 62040-2 Ed. 3.0 en:2016 (Redline version), Uninterruptible power systems (UPS) - Part 2: Electromagnetic compatibility (EMC) requirements, $334.00

ROTATING MACHINERY (TC 2)

IEC 60034-12 Ed. 3.0 b:2016, Rotating electrical machines - Part 12: Starting performance of single-speed three-phase cage induction motors, $73.00

S+ IEC 60034-12 Ed. 3.0 en:2016 (Redline version), Rotating electrical machines - Part 12: Starting performance of single-speed three-phase cage induction motors, FREE

SOLAR PHOTOVOLTAIC ENERGY SYSTEMS (TC 82)

IEC 62894 Amd.1 Ed. 1.0 en:2016, Amendment 1 - Photovoltaic inverters - Data sheet and name plate, $22.00

IEC 62894 Ed. 1.1 en:2016, Photovoltaic inverters - Data sheet and name plate, $91.00

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

Call for Members

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

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

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

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

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

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

Society of Cable Telecommunications

ANSI Accredited Standards Developer

SCTE, an ANSI-accredited SDO, is the primary organization for the creation and maintenance of standards for the cable telecommunications industry. SCTE's standards mission is to develop standards that meet the needs of cable system operators, content providers, network and customer premises equipment manufacturers, and all others who have an interest in the industry through a fair, balanced and transparent process.

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

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

ANSI Accredited Standards Developers

Approval of Reaccreditation

American Nuclear Society

ANSI's Executive Standards Council has approved the reaccreditation of the American Nuclear Society, an ANSI Member and Accredited Standards Developer, under its recently revised operating procedures for documenting consensus on ANS-sponsored American National Standards, effective November 21, 2016. For additional information, please contact: Ms. Patricia Schroeder, Standards Manager, American Nuclear Society, 555 N. Kensington Avenue, La Grange Park, IL 60526; phone: 708.579.8269; e-mail: pschroeder@ans.org.

Clinical and Laboratory Standards Institute (CLSI)

The reaccreditation of the Clinical and Laboratory Standards Institute (CLSI), an ANSI Member and Accredited Standards Developer, has been approved at the direction of ANSI's Executive Standards Council under its recently revised operating procedures for documenting consensus on CLSI-sponsored American National Standards, effective November 29, 2016. For additional information, please contact: Ms. Jennifer Adams, Senior Director, Standards & Quality, Clinical and Laboratory Standards Institute, 950 West Valley Road, Suite 2500, Wayne, PA 19087; phone: 484.588.5941; e-mail: jadams@clsi.org.

Reaccreditation

Illuminating Engineering Society of North America (IESNA)

Comment Deadline: January 3, 2017

The Illuminating Engineering Society of North America (IESNA), an ANSI member and Accredited Standards Developer, has submitted revisions to its currently accredited operating procedures for documenting consensus on IESNA-sponsored American National Standards, under which it was last reaccredited in 2015. As the current revisions appear to be substantive in nature, the reaccreditation process is initiated.

To obtain a copy of the revised procedures or to offer comments, please contact: Ms. Patricia McGillicuddy, Manager of Standards Development, Illuminating Engineering Society of North America, 120 Wall Street, 17th Floor, New York, NY 10005; phone: 212.248.5000, ext. 123; e-mail: pmcgillicuddy@ies.org. You may view/download a copy of the revisions during the public review period at the following URL: www.ansi.org/accredPR. Please submit any public comments on the revised procedures to IESNA by January 3, 2017, with a copy to the ExSC Recording Secretary in ANSI's New York Office (jthompso@ANSI.org).

ANSI Accreditation Program for Greenhouse Gas Validation/Verification Bodies

Reaccreditation

Stantec Consulting, Ltd.

Comment Deadline: January 2, 2017

In accordance with the following ISO standards:

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

Stantec Consulting Ltd.
Nicole Flanagan
845 Prospect Street
Fredericton E3B 2T7, Canada
Phone: 506-452-7000
E-mail: Nicole.Flanagan@stantec.com

On November 16, 2016, ANSI's Greenhouse Gas Validation/Verification Body Accreditation Committee granted Stantec Consulting Ltd. reaccreditation for the following:

Scopes:

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

01. General
02. Manufacturing
03. Power Generation
05. Mining and Mineral Production
06. Metals Production
07. Chemicals Production
08. Oil and gas extraction, production, and refining including petrochemicals
09. Waste
10. Agriculture, Forestry and Other Land Use (AFOLU)

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

01. GHG emission reductions from fuel combustion
02. GHG emission reductions from industrial processes (non-combustion, chemical reaction, fugitive and other)
03. Land Use and Forestry

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

01. GHG emission reductions from fuel combustion
02. GHG emission reductions from industrial processes (non-combustion, chemical reaction, fugitive and other)
03. Land Use and Forestry

Please send your comments by January 2, 2017 to Ann Howard, Director, Environmental Accreditation Programs, American National Standards Institute, 1899 L Street, NW, 11th Floor, Washington, DC 20036, Fax: 202-293-9287 or e-mail: ahoward@ansi.org.

Scope Extension

NSF International

Comment Deadline: January 2, 2017

In accordance with the following ISO standards:

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

NSF International
Craig Morr
789 N. Dixboro Rd.,
Ann Arbor, MI 48105
Phone: 734-769-5143
E-mail: cmorr@nsf.org

On November 16, 2016, ANSI's Greenhouse Gas Validation/Verification Body Accreditation Committee granted NSF International an extension of scope of accreditation to include the following:

Scopes:

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

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

Please send your comments by January 2, 2017 to Ann Howard, Director, Environmental Accreditation Programs, American National Standards Institute, 1899 L Street, NW, 11th Floor, Washington, DC 20036, Fax: 202-293-9287 or e-mail: ahoward@ansi.org.

ANSI Accreditation Program for Third Party Product Certification Agencies

Accreditation of New Scopes

Curtis-Strauss, LLC

Comment Deadline: January 2, 2017

Mr. Tadas Stukas – Quality & HSE Manager
Curtis-Straus, LLC
One Distribution Center Circle, Suite #1
Littleton, MA 01460
Phone: 978-486-8880
Fax: 978-486-8828
E-mail: tadas.stukas@us.bureauveritas.com
Web: www.curtis-straus.com

On November 17, 2016, Curtis-Straus, LLC was granted ANSI accreditation for the following new scopes.

LISTING OF CERTIFICATION SCHEME(S)

EPA ENERGY STAR® Conditions and Criteria for Recognition of Certification Bodies for the

ENERGY STAR® Program

SCOPE OF ACCREDITATION

Large Network Equipment

Small Network Equipment

Please send your comments by January 2, 2017 to Reinaldo Balbino Figueiredo, Senior Program Director, Product/Process/Services Accreditation Programs, American National Standards Institute, 1899 L Street, NW, 11th Floor, Washington, DC 20036, Fax: 202-293 9287 or e-mail: rfigueir@ansi.org, or Nikki Jackson, Director, 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)

Calls for U.S. TAG Administrators

ISO/TC 87 – Cork

There is currently no ANSI-accredited U.S. TAG Administrator for ISO/TC 87 and therefore ANSI is not a member of this committee. The Secretariat for the committee is held by Portugal (IPQ).

ISO/TC 87 operates under the following scope:

Standardization in the field of cork, both the raw material and products manufactured and prepared from cork.

Organizations interested in serving as the U.S. TAG Administrator or participating on a U.S. TAG should contact ANSI's Kemi Allston at kallston@ansi.org.

ISO/TC 114 – Horology Subcommittees

There is currently no ANSI-accredited U.S. TAG Administrator for ISO/TC 114/SC 3 – Water-resistant watches and ISO/TC 114/SC 12 – Antimagnetism and therefore ANSI is not a member of these committees. The Secretariats for these committees are held by Switzerland (SNV) for ISO/TC 114/SC 3 and Japan (JISC) for ISO/TC 114/SC 12.

ISO/TC 114/SC 3 and ISO/TC 114/SC 12 operates within the scope of ISO/TC 114:

Standardization in the field of instruments of small and large size intended for measuring time and time keeping:

- terminology;
- technical definitions;
- standardization of overall dimensions;
- any other questions which may be proposed in the future.

Organizations interested in serving as the U.S. TAG Administrator or participating on a U.S. TAG for any of these committees should contact ANSI's Kemi Allston at kallston@ansi.org.

ISO/TC 120/SC 3 – Leather products

There is currently no ANSI-accredited U.S. TAG Administrator for ISO/TC 120/SC 3 and therefore ANSI is not a member of this committee. The Secretariat for the committee is held by India (BIS).

ISO/TC 120/SC 3 operates under the following scope:

Development of standards in the field of Leather products within the scope of ISO/TC 120:

Standardization in the field of:

- raw hides and skins including pickled pelts;
- tanned hides and skins and finished leather;
- leather products (including methods of test for leather products).

Excluded:

- methods of test in the field of raw hides and skins, including pickled pelts, tanned hides and skins and finished leather, which is the field of the IULTCS (see Note);
- footwear, which is the field of work of ISO/TC 216;
- protective clothing and equipment, which is the field of work of ISO/TC 94.

NOTE:

The International Union of Leather Technologists and Chemists Societies (IULTCS) is the international standardizing body responsible for the development of International Standards defining methods of test for leather other than made-up articles.

Organizations interested in serving as the U.S. TAG Administrator or participating on a U.S. TAG should contact ANSI's Kemi Allston at kallston@ansi.org.

Establishment of ISO Project Committee

ISO/PC 310 – Wheeled Child Conveyances

A new ISO Project Committee, ISO/PC 310 – Wheeled child conveyances, has been formed. The Secretariats has been assigned to France (AFNOR) and China (SAC).

ISO/PC 310 operates under the following scope:

Standardization deliverable in the field of wheeled child conveyances designed for the carriage of one or more children. It covers safety requirements and test methods.

Excluded: toys, shopping trolleys, baby carriers fitted with wheels, wheeled child conveyances propelled by a motor and wheeled child conveyances designed for children with special needs.

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

2 Normative References

The following standards contain provisions which, through reference in this text, constitute provisions of this American National Standard. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this American National Standard are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below.

ATIS-0600329~~.2008~~, *Network Equipment – Earthquake Resistance.*[1]

IEC 60068-2-47, *Environmental testing - Part 2-47: Test - Mounting of specimens for vibration, impact and similar dynamic tests*.[2]

ISO/IEC 17025:2005, *General Requirements for the Competence of Testing and Calibration Laboratories.*[2]

3 Definitions, Acronyms, & Abbreviations

3.1 Definitions

3.1.1 Acceleration Spectral Density: Random vibration analysis in the frequency domain by a power spectral density function. The typical units are acceleration [g^2/Hz] versus frequency [Hz]. The acceleration can also be represented by metric units, such as [$(m/sec^2)^2$ / Hz].

3.1.2 Ambient Temperature and Humidity: The environmental temperature and humidity surrounding communications equipment.

3.1.3 Equipment Under Test: The equipment being reviewed for conformance to the requirements specified in this standard.

3.1.4 Functional Degradation: Functional damage that can be detected, including but not limited to: intermittent electrical contact, electrical shorts, failed function of components, optical misalignment, excessive electrical noise, etc.

3.1.5 Operational Vibration: The vibratory stresses that may be present during equipment operation due to outside influences (e.g., road traffic, train, rotating equipment).

3.1.6 Physical Damage: Visual physical damage that can be observed, including but not limited to: chaffing of wires; loose fasteners and components; deformed seals; failed, loose, or broken components; mechanical misalignment; cracked or broken structures; fretting or corrosion in bearings; migration of particles or failed components; particles or failed components lodged in circuitry or mechanisms; etc.

3.1.7 Relative Humidity: The ratio, expressed in percent, of the amount of atmospheric moisture present relative to the amount that would be present if the air were saturated at a specific temperature.

3.1.8 Sweep Cycle: A traverse of the specified frequency range once in each direction (f_{min} to f_{max} to f_{min} constitutes one sweep cycle).

[1] This document is available from the Alliance for Telecommunications Industry Solutions (ATIS), 1200 G Street N.W., Suite 500, Washington, DC 20005. < https://www.atis.org/docstore/default.aspx >

[2] This document is available from the International Electrotechnical Commission.
< http://www.iec.ch/webstore/shop_entry.htm >

ASTM B187/B187M-06, *Standard Specifications for Copper, Bus Bar, Rod, and Shapes and General Purpose Rod, Bar, and Shape*.[2]

3 Definitions, Acronyms, & Abbreviations

3.1 Definitions

3.1.1 60-volt dc class: Power distribution systems with a normal operating voltage of less than or equal to 60 volts.

3.1.2 160-volt dc class: Power distribution systems with a normal operating voltage of greater than 60 volts and less than or equal to 160 volts.

3.1.3 Approved: Acceptable to the exchange or interexchange carrier or the carrier's authorized agent.

3.1.4 Authorized personnel: A person with permission to enter the controlled area who has been instructed in the hazards therein.

3.1.5 Bond: A permanent connection such as a copper or aluminum conductor bolted, welded, or crimped in place, which assures a low impedance path between conductive parts.

3.1.6 Cable rack: A means of supporting conductors.

3.1.7 Charge bus: Current-carrying conductor that connects the rectifier/charger(s) outputs to the battery string terminals as shown in Figure 1. A separate bus is provided for the (+) positive and (-) negative output.

3.1.8 Charge circuit: Portion of the power distribution circuit that includes the batteries and other equipment and components, and the conductors from the power sources to the battery terminals.

3.1.9 Components: Devices that are part of the dc power system. Components included as part of third-party certified equipment are exempt from this standard.

3.1.10 Controlled or limited access area: A space where access is controlled by lock and key -- or other effective means -- and accessible only to authorized persons.

3.1.11 Dead front: No live parts are exposed to persons on the operating side of the equipment.

3.1.12 Discharge bus: Current-carrying conductor that connects the battery string(s) to the primary distribution network, as shown in Figure 1. A separate bus is provided for the (+) positive and (-) negative output.

3.1.13 Discharge circuit: Portion of the power system that extends from the battery terminals to the first overcurrent protection device.

3.1.14 Downstream: Direction along the distribution circuit going away from the power source and toward the load equipment.

3.1.15 Electrically hot: A conductor or conducting surface that is intentionally at a potential different from ground.

3.1.16 Embedded: Equipment designed and assembled by the manufacturer as an integral part of a larger equipment whose primary purpose is not to provide power.

3.1.17 Enclosure: Any housing or cabinet for components or equipment.

3.1.18 Equipment: A collection of components assembled for a common purpose.

3.1.19 Feed: Circuit conductor furthest from ground potential.

3.1.20 Field wiring: Wiring intended to be installed at the equipment site.

3.1.21 Frame: An assembly of equipment or components mounted on a common support structure.

3.1.22 Ground:

[2] This document is available from the American Society for Testing and Materials (ASTM), 100 Barr Harbor Drive, West Conshohocken, PA 19428-2959, Phone: (610) 832-9585, Fax: (610) 832-9555, < service@local.astm.org >.

Annex A
(informative)

A Bibliography

ANSI/NFPA ~~PA~~ 70~~-1996~~, *National Electrical Code*®.[3]

UL 60950-1, *Information Technology Equipment - Safety - Part 1: General Requirements*.[4]

[3] This document is available from the National Fire Protection Association (NFPA).
~~< http://www.nfpa.org/Codes/index.asp >~~

[4] This document is available from Underwriters Laboratories, Inc. ~~(via comm2000). < http://www.comm-2000.com/ >~~

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NSF/ANSI 46-2016 Evaluation of components and devices used in wastewater treatment systems

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11.3 Definitions

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~~11.3.4 **mechanical component:** A part of the chlorination device with an individual and distinct function to perform some type of work in dispensing chlorine, e.g., a lever, wheel, or pulley.~~

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11.4 **Design and construction**
All chlorination devices shall comply with the requirements of ~~12.4.1 through 12.4.5~~. 11.4.1 through 11.4.5.

11.4.1 **Failure sensing and signaling equipment**
The chlorination device shall possess a mechanism or process capable of detecting failures of electrical ~~and mechanical~~ components critical to the treatment processes and delivering a visual and audible signal to notify the owner or user of the failure.

The visual and auditory signal shall continue to be functional in the event of an electrical~~, mechanical, or hydraulic~~ malfunction of the chlorination device system providing power is available to the system and shall resume once the power is restarted following the power outage. This does not mandate a battery back-up for the alarm system.

Compliance with the requirements of section ~~12.4.1~~ 11.4.1 shall be determined by a group of three observers. Observers shall be employees of the test agency.

Tracking Number 49i98r1 **Revision to NSF/ANSI 49-2014**
 Issue 98, Draft 1 (November 2016)

[Note – the changes are illustrated below using ~~strikeout~~ for proposed removal of existing text and grey highlights to indicate the proposed new text. ONLY the highlighted text and ~~strikeout~~ text is within the scope of this ballot. Rationale Statements are in RED and only used to add clarity; these statements will NOT be in the finished publication]

NSF/ANSI International Standard for Biosafety Cabinetry —

Biosafety Cabinetry: Design, Construction, Performance, and Field Certification

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3 Definitions

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3.8.2.4 class II, type B2 cabinets: cabinets that

maintain a minimum average inflow velocity of 100 ft/min (0.51 m/s) through the work access opening;

have HEPA/ULPA filtered downflow air drawn from the laboratory or the outside air (i.e., downflow air is not recirculated from the cabinet exhaust air);

exhaust all inflow and downflow air to the atmosphere through an external exhaust system connected to the cabinet with a direct connection after filtration through a HEPA/ULPA filter without recirculation in the cabinet or return to the laboratory; and

have all contaminated ducts and plenums under negative pressure or surrounded by directly exhausted (nonrecirculated through the work area) negative pressure ducts and plenums.

~~Type B2 cabinets may be used for work with volatile chemicals and radionuclides required as adjuncts to microbiological studies.~~

Type B2 cabinets may be used for work with volatile chemicals if permitted by a chemical risk assessment (Refer to Section E.3.1.3).

Rationale:Making the B2 definition consistent with the B1 definition for work with volatiles.

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6.6 Pump performance curve

6.6.1 For each pump model or model series, the manufacturer shall provide a pump performance curve that plots the pump's total dynamic head versus the discharge flow rate. The manufacturer shall also have a curve available that plots the net positive suction head (NPSH) or total dynamic suction lift (TDSL), brake horsepower, and pump efficiency in relation to the performance curve. Pumps with a rating of 5 HP (3.7 kW) or less are not required to have a NPSH curve.

For pumps utilizing motors rated for multiple voltages, if the pump performance curve varies between rated voltages, such as may occur between 230v and 208v, the manufacturer shall provide a pump performance curve for each rated motor voltage.

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C.1 Performance curve verification

C.1.1 Purpose

C.1.4 Performance curve verification method

a) Pump shall be installed and operated according to the manufacturer's instructions. The manufacturer shall state the inlet conditions under which the published performance curves were established, and barometric pressure.

b) Air leaks shall be avoided in the suction line. Piping shall be clean and free of scale, burrs, etc.

c) The suction pipe end shall be submerged a distance of at least ten pipe diameters. Liquid around the suction pipe shall be relatively quiet, without entrained air, swirls, etc., from recirculated discharge.

d) The suction and discharge gauge/manometer lines shall be purged so that the suction gauge line is free of water and the discharge gauge line is free of air.

e) The test shall be conducted with normal rated voltage ~~(± 10%)~~ (± 5%) at motor terminals.

*[Note – the changes are seen below using strikeout for removal of old text and gray highlights to show the suggested text. ONLY the highlighted text is within the scope of this ballot.**]***

NSF/ANSI Standard
for 347 Sustainability Assessment for Single Ply Roofing Membranes

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4 Conformance, evaluation, and assessment criteria

4.4.4 Monitoring and reevaluation

Procedures shall exist, and shall be documented by the manufacturer, to regularly monitor and measure continued conformance of products to this Standard. ~~In no event shall monitoring and reevaluation occur less frequently than once every third year~~, Monitoring and reevaluation shall occur every third year providing no significant changes have been made to the product

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5 Product design

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5.5.1 Supplier environmental disclosure (maximum 3 points)

The manufacturer shall receive 1 point for documenting the implementation of a key supplier environmental disclosure process requiring supplier disclosure of environmental performance information including, at a minimum:

- compliance (or lack thereof) with local, regional, and national environmental requirements and reporting of any outstanding violations or issues of noncompliance;
- presence (or absence) of a documented environmental management system prepared and operated in general accordance with ISO 1400113 or RCMS®14;
- release of reportable quantities of TRI PBTs, if applicable;
- use (or lack thereof) of renewable energy supplies; and
  evidence of greenhouse gas emissions tracking, or lack thereof.

~~5.5.6 Reduced emissions of chemicals of concerns by key suppliers (maximum 2 points)~~

~~For those individual material inputs provided by key suppliers, the manufacturer shall receive:~~

- ~~1 point for demonstrating that the applicable operations of key suppliers do not release known PBT chemicals or compounds at or above CERCLA reporting thresholds; and~~
- ~~1 point for demonstrating that the applicable operations of key suppliers do not release any other listed TRI or NPRI chemicals or compounds at or above USEPA CERCLA reporting thresholds.~~

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6 Product manufacturing

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6.1.1 Scope

The basis for assessment of units inputs or outputs in this section shall be designated as a unit area. ~~product basis- unit area, total manufacturing operation basis, or facility basis and applied consistently throughout the section~~

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7 Membrane durability

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7.4.1 Reflectivity (maximum 3 points)

The manufacturer shall receive up to 3 points for demonstrating Energy Star® or equivalent reflectivity criteria.

- 1 point for meeting ENERGY STAR® or equivalent three-year reflectivity criteria; or
- 2 points for meeting ENERGY STAR® or equivalent three-year reflectivity criteria after 5 years in the field; or
- 3 points for meeting ENERGY STAR® or equivalent three-year reflectivity value after 10 years in the field.

The protocol for reflectivity determination shall be the ~~CRRC-1 Method #1: Standard Practice for Measuring Solar Reflectance of a Flat, Opaque, and Heterogeneous Surface Using a Portable Solar Reflectometer.~~ *Section S.4 Test Method #1 of ANSI/CRRC S100 Standard Test Methods for Determining Radiative Properties of Materials (formerly CRRC-1 Standard).*

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7.5.3.2 A manufacturer shall receive points as shown below for reporting to the certification body the following physical property measurements for a minimum of two samples from 4 of the 8 ~~each of the~~ ASHRAE 90.13 climate zones ~~3, 4, 5, and 6.~~

The measured properties (following procedures specified in the appropriate ASTM product standard) shall include:

- thickness of film over fabric reinforcement (for reinforced membrane)
- total thickness (for non-reinforced membrane)

- Elongation
- tensile strength
- plasticizer content (alternative test for PVC membrane in place of elongation and tensile strength)

For the points below, the year 2010 or later shall be the baseline year.

- the manufacturer shall earn 2 points for reporting initial values (at installation); or
- the manufacturer shall earn 4 points for reporting 5th year values and initial values; or]
- the manufacturer shall earn 6 points for reporting 10th year values including 5th year, and initial values; or
- the manufacturer shall earn 8 points for reporting 15th year values including 10th year, 5th year, and initial values.

The manufacturer shall receive an additional 1 point for reporting this information publicly.

Annex A
(normative)

Scoring System Sustainable Product Assessment – Single Ply Roofing Membrane

Section title	Pre-requisite (P) or optional (O)	Points
Section 5 Product design		
5.2.1 Prerequisite - Environmental considerations in design	P	
5.2.2 Life cycle assessment (LCA)	O	8
5.3.1 Inventory of material inputs	O	1
5.3.2 Environmentally sustainable inputs – membrane	O	8
5.3.3 Environmentally sustainable inputs – packaging	O	2
5.4.1 Identification of use of chemicals of concern	O	1
5.4.2 Minimization of known chemicals of concern in membrane*	O	5
5.4.3 Reduction in use of chemicals of concern*	O	2
5.5.1 Supplier environmental disclosure	O	~~1~~ 3

5.5.2 Supplier environmental performance disclosure	O	2
5.5.3 Supplier social accountability	O	1
5.5.4 Supplier social accountability disclosure	O	2
5.5.5 Supplier audits	O	2
~~5.5.6 Reduced emissions of chemicals of concern by key suppliers~~	~~O~~	~~2~~
5.6 Product recyclability into durable products	O	2
5.7 Post-consumer single ply roofing membrane reclamation	O	3
5.8 Pre-consumer single ply roofing membrane reclamation	O	2
Total for section 5		**42**

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Annex B1
(informative)

Key elements of a certification program for
Environmentally Preferable and Sustainable Single Ply Roofing Membranes

B.2.4 Monitoring of product conformance

~~At intervals determined by the certifying organization,~~ T~~t~~he continued conformance of the certified product to the specified criteria is monitored through a surveillance audit that is conducted once during the three year certification period. ~~using periodic facility audits, periodic retesting, or both.~~

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REMANUFACTURING INDUSTRIES COUNCIL

RIC001.1-2016: Specifications for the Process of Remanufacturing

Changes to the proposed standard are reflected below with black ~~strikethroughs~~ (for proposed deletions) and red text (for proposed additions). Any language that is proposed for removal appears with a strikethrough. **Any parts of the proposed standard not mentioned below remain intact in the revised proposed standard as originally published.** Only the changes shown in the document below are open for public comment. For convenience, a redlined version of the full proposed standard is available: http://www.remancouncil.org/reman-proposed-standard.

The changes to the proposed standard are summarized as follows:

1. At ANSI's request and in conformance with ANSI's Essential Requirements, the following three changes were made:
    1. The designation of the proposed standard was changed from ANSI/RIC 2016 to RIC001.1-2016 to conform to ANSI's recommended format for a standard's designation.
    2. The reference to RIC was removed from the **Verification of conformance with this standard** section, and replaced with "an accredited third-party."
    3. The Warranty section was removed in its entirety.
2. By suggestion of the remanufacturing consensus body and other relevant stakeholders, as well as in an effort to present a cleaner document, the following three changes were made:
    1. The word "component" was changed to "part" throughout the document.
    2. The title of Section 4 was changed to **Other relevant standards**.
    3. The definitions section was reorganized to present the definitions in alphabetical order. In addition, some of the definitions were modified or removed (see below for details).

1. Introduction

Remanufacturing is a comprehensive and rigorous industrial process by which a previously sold or leased product or ~~component~~part is returned through a controlled, reproducible and sustainable process to a "like-new" or "better-than-new" condition~~, and warranted~~ in performance level and quality for form, fit and function.

3. Scope

The specifications in this standard will promote continual improvement in the remanufacturing process and help ensure that the products provided to customers by the remanufacturing industry are dependable and of a consistent high quality.

4. ~~Compatibility with other~~Other relevant standards

5. Definitions and terms

Assembly
The process by which qualified parts ~~and components~~ (whether remanufactured or new) are combined or connected together to create a ~~component,~~ subassembly, assembly, system or remanufactured product.

~~**Component**~~
~~Two or more parts combined or connected together to create or be incorporated into a subassembly, assembly, system or remanufactured product.~~

Core
A worn, failed, or end-of-use part, ~~component,~~ assembly, or product of a branded or Original Equipment Manufacturer product that is retained with the objective of restoring or improving its original functionality through remanufacturing, or for use as a source of ~~components or~~ parts for a remanufactured product. A core may have already been placed on the market and used, been damaged after production but before sale, or been subject to an extended shelf life. During reverse logistics, a core is protected, handled and identified for remanufacturing to avoid damage and to preserve its value. A core is not waste or scrap and is not intended to be reused before being remanufactured.

Disassembly
Complete sequential removal of ~~components~~parts of an assembled product into its constituent materials~~, components and/~~ or parts.

Part
The smallest, indivisible unit of a remanufactured product; individual parts may be combined or connected together to create ~~a component or incorporated into~~ a subassembly, assembly, system, or remanufactured product.

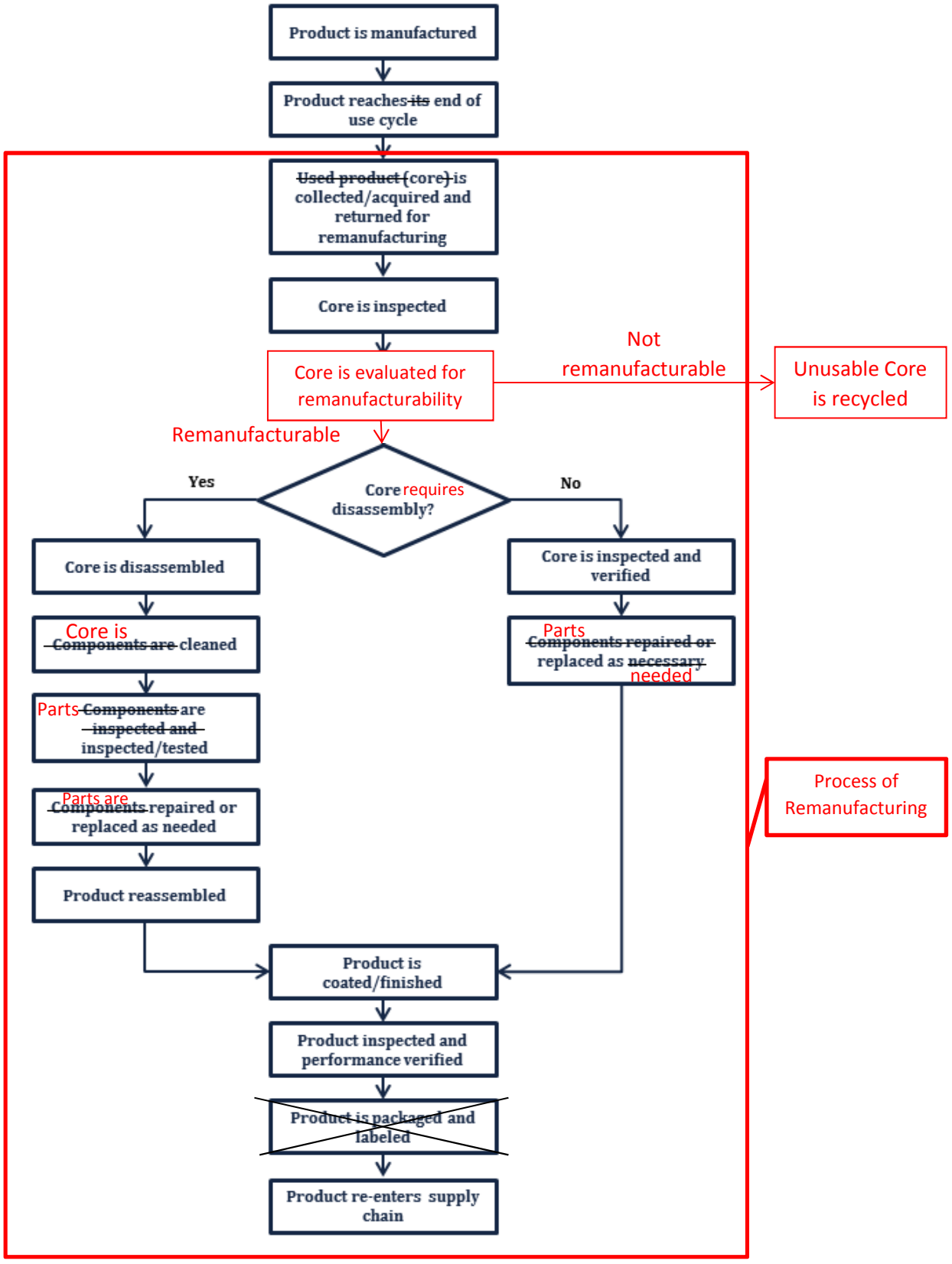
Remanufacturing
Remanufacturing is a comprehensive and rigorous industrial process by which a previously sold, leased, used, worn, or non-functional product or ~~component~~part is returned to a "like-new" or "better-than-new" condition, from both a quality and performance perspective, through a controlled, reproducible and sustainable process in conformance with the specifications listed in Section 6 of this standard.

~~**Reverse engineering**~~
~~The process of analyzing the construction, operation, technical specifications and technological principles of a product in order to recreate or copy the product in the absence of the original design specifications.[3]~~

~~[3] The process of reverse engineering may be prohibited for certain industry sectors or products~~

Proposed Changes to RIC001.1-2016: Specifications for the Process of Remanufacturing

The following changes to Figure 1 are proposed:



6. Specifications for the process of remanufacturing

The order of ~~the~~ various steps may ~~vary~~differ depending upon the product being remanufactured. An example of a typical flow map for the process of remanufacturing incorporating the specifications in this section is illustrated in Figure 1.

6.6. Disassembling the core

The core shall be disassembled to the appropriate level into its constituent ~~components,~~ parts and/or materials. The organization shall obtain or create documentation to ensure and record the appropriate level of disassembly for each product and process.

6.7. Cleaning

The core may be cleaned (and disinfected, if appropriate) before disassembly, as necessary. After disassembly, ~~components and~~ parts shall be cleaned using documented procedures to remove all foreign materials (e.g., soil, grease, paint, surface oxidation, etc.) to facilitate appropriate inspection of the core ~~components and~~ parts before their use in reassembly of the product.

6.8. Inspection of ~~components~~parts

Product ~~components~~parts shall be inspected and functionally evaluated using documented procedures to determine their eligibility for reuse. ~~Components~~Parts that do not meet the documented acceptance criteria shall be ~~repaired, refurbished~~remanufactured or replaced with new parts to ensure conformance with original specifications from both a quality and performance perspective.

6.9. Reassembly

The product shall be reassembled, applying engineering updates and replacing worn or damaged ~~components~~parts with new or like-new parts ~~or components,~~ as appropriate according to documented technical specifications.

7. Verification of conformance with this standard

The organization may apply to ~~RIC~~an accredited third-party in order to qualify for self-declaration of conformity to this standard. Such an application shall include detailed, written documentation to establish systematic implementation of the process described in Section 6 of this standard.

8. Marking and labeling of product

The organization may label products that meet or exceed this standard with a label or mark certifying conformance with this standard. The label should be clearly visible on the product, associated packaging, or documentation, as appropriate, and should include a reference to this standard, i.e., ~~RIC2015~~RIC001.1-2016. In addition, the label may include one or more of the following:

~~9. Product warranty~~

~~The organization may issue a warranty for the product that matches or exceeds that of original or similar articles that have never been placed on the market or operated by an end-user customer.~~

BSR/UL 778, Standard for Safety for Motor-Operated Water Pumps

1. Proposal to update requirements for Submersion Test Water Temperature

44.2 During conditioning, the pump is to be cycled on and off continuously for 30 days in water at ~~23 - 27°C~~ 18°C maximum rated temperature of the pump ~~(74 - 84°F)~~ (64°F maximum rated water temperature to the pump). The on time is to be long enough for the motor windings to attain a temperature of at least 80 percent of the value measured during the temperature test, and the off cycle is to be long enough for the windings to cool to 30°C (86°F) or less. The pump is to be operated at maximum normal load as described in 40.2.1, and is to be submerged so that the top of the pump is at least 12 inches (305 mm) below the surface of the water.

BSR/UL 797A, Standard for Safety for Electrical Metallic Tubing - Aluminum and Stainless Steel,

1. Removal of the term "mandrel"

9.1 One specimen of the smallest available trade size of finished tubing produced by the manufacturer shall be capable of being bent into a quarter of a circle, using any suitable bending equipment, around a mandrel after being conditioned at a temperature of 0°C (32°F) for 60 minutes. The tubing shall not develop a crack and a weld shall not open. The radius of the tubing shall be as specified in Table 7.1, Minimum dimensions of elbows. The test is to be conducted inside the cold chamber or begun within 15 seconds of removal from the cold chamber.

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ISSUE	SUBMIT START	*SUBMIT END 5PM	SA PUBLISHED	30-DAY PR END	45-DAY PR END	60-DAY PR END
1	12/20/2016	12/26/2016	Jan-6	2/5/2017	2/20/2017	3/7/2017
2	12/27/2016	1/2/2017	Jan-13	2/12/2017	2/27/2017	3/14/2017
3	1/3/2017	1/9/2017	Jan-20	2/19/2017	3/6/2017	3/21/2017
4	1/10/2017	1/16/2017	Jan-27	2/26/2017	3/13/2017	3/28/2017
5	1/17/2017	1/23/2017	Feb-3	3/5/2017	3/20/2017	4/4/2017
6	1/24/2017	1/30/2017	Feb-10	3/12/2017	3/27/2017	4/11/2017
7	1/31/2017	2/6/2017	Feb-17	3/19/2017	4/3/2017	4/18/2017
8	2/7/2017	2/13/2017	Feb-24	3/26/2017	4/10/2017	4/25/2017
9	2/14/2017	2/20/2017	Mar-3	4/2/2017	4/17/2017	5/2/2017
10	2/21/2017	2/27/2017	Mar-10	4/9/2017	4/24/2017	5/9/2017
11	2/28/2017	3/6/2017	Mar-17	4/16/2017	5/1/2017	5/16/2017
12	3/7/2017	3/13/2017	Mar-24	4/23/2017	5/8/2017	5/23/2017
13	3/14/2017	3/20/2017	Mar-31	4/30/2017	5/15/2017	5/30/2017
14	3/21/2017	3/27/2017	Apr-7	5/7/2017	5/22/2017	6/6/2017
15	3/28/2017	4/3/2017	Apr-14	5/14/2017	5/29/2017	6/13/2017
16	4/4/2017	4/10/2017	Apr-21	5/21/2017	6/5/2017	6/20/2017
17	4/11/2017	4/17/2017	Apr-28	5/28/2017	6/12/2017	6/27/2017
18	4/18/2017	4/24/2017	May-5	6/4/2017	6/19/2017	7/4/2017
19	4/25/2017	5/1/2017	May-12	6/11/2017	6/26/2017	7/11/2017
20	5/2/2017	5/8/2017	May-19	6/18/2017	7/3/2017	7/18/2017
21	5/9/2017	5/15/2017	May-26	6/25/2017	7/10/2017	7/25/2017
22	5/16/2017	5/22/2017	Jun-2	7/2/2017	7/17/2017	8/1/2017
23	5/23/2017	5/29/2017	Jun-9	7/9/2017	7/24/2017	8/8/2017
24	5/30/2017	6/5/2017	Jun-16	7/16/2017	7/31/2017	8/15/2017
25	6/6/2017	6/12/2017	Jun-23	7/23/2017	8/7/2017	8/22/2017
26	6/13/2017	6/19/2017	Jun-30	7/30/2017	8/14/2017	8/29/2017
27	6/20/2017	6/26/2017	Jul-7	8/6/2017	8/21/2017	9/5/2017
28	6/27/2017	7/3/2017	Jul-14	8/13/2017	8/28/2017	9/12/2017
29	7/4/2017	7/10/2017	Jul-21	8/20/2017	9/4/2017	9/19/2017

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30	7/11/2017	7/17/2017	Jul-28	8/27/2017	9/11/2017	9/26/2017
31	7/18/2017	7/24/2017	Aug-4	9/3/2017	9/18/2017	10/3/2017
32	7/25/2017	7/31/2017	Aug-11	9/10/2017	9/25/2017	10/10/2017
33	8/1/2017	8/7/2017	Aug-18	9/17/2017	10/2/2017	10/17/2017
34	8/8/2017	8/14/2017	Aug-25	9/24/2017	10/9/2017	10/24/2017
35	8/15/2017	8/21/2017	Sep-1	10/1/2017	10/16/2017	10/31/2017
36	8/22/2017	8/28/2017	Sep-8	10/8/2017	10/23/2017	11/7/2017
37	8/29/2017	9/4/2017	Sep-15	10/15/2017	10/30/2017	11/14/2017
38	9/5/2017	9/11/2017	Sep-22	10/22/2017	11/6/2017	11/21/2017
39	9/12/2017	9/18/2017	Sep-29	10/29/2017	11/13/2017	11/28/2017
40	9/19/2017	9/25/2017	Oct-6	11/5/2017	11/20/2017	12/5/2017
41	9/26/2017	10/2/2017	Oct-13	11/12/2017	11/27/2017	12/12/2017
42	10/3/2017	10/9/2017	Oct-20	11/19/2017	12/4/2017	12/19/2017
43	10/10/2017	10/16/2017	Oct-27	11/26/2017	12/11/2017	12/26/2017
44	10/17/2017	10/23/2017	Nov-3	12/3/2017	12/18/2017	1/2/2018
45	10/24/2017	10/30/2017	Nov-10	12/10/2017	12/25/2017	1/9/2018
46	10/31/2017	11/6/2017	Nov-17	12/17/2017	1/1/2018	1/16/2018
47	11/7/2017	11/13/2017	Nov-24	12/24/2017	1/8/2018	1/23/2018
48	11/14/2017	11/20/2017	Dec-1	12/31/2017	1/15/2018	1/30/2018
49	11/21/2017	11/27/2017	Dec-8	1/7/2018	1/22/2018	2/6/2018
50	11/28/2017	12/4/2017	Dec-15	1/14/2018	1/29/2018	2/13/2018
51	12/5/2017	12/11/2017	Dec-22	1/21/2018	2/5/2018	2/20/2018
52	12/12/2017	12/18/2017	Dec-29	1/28/2018	2/12/2018	2/27/2018