

## Contents

### American National Standards

|   |           |
|---|-----------|
| <b>Call for Comment on Standards Proposals</b> .....                  | <b>2</b>  |
| <b>Call for Members (ANS Consensus Bodies)</b> .....                  | <b>14</b> |
| <b>Final Actions</b> .....  | <b>16</b> |
| <b>Project Initiation Notification System (PINS)</b> .....            | <b>17</b> |
| <b>ANSI-Accredited Standards Developers Contact Information</b> ..... | <b>26</b> |

### International Standards

|  |           |
|--|-----------|
| <b>ISO Draft Standards</b> .....                     | <b>27</b> |
| <b>ISO Newly Published Standards</b> .....           | <b>29</b> |
| <b>Proposed Foreign Government Regulations</b> ..... | <b>30</b> |
| <b>Information Concerning</b> .....                  | <b>31</b> |

## 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](mailto:psa@ansi.org)

\* Standard for consumer products

## Comment Deadline: June 24, 2012

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

#### Addenda

BSR/ASHRAE/IES Addendum af to Standard 90.1-201x, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IESNA Standard 90.1-2010)

This Addendum covers the addition of a flow turndown requirement to the Standard which will require the use of cooling towers capable of handling modulation of condenser water flow as a means to save energy, and as virtually all heat rejection equipment utilize VSDs on the 7.5 HP fans and above, a requirement to operate the maximum number of fans in a multi-fan installation to minimize energy for a given duty has been added as 6.5.5.2.2.

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

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

### NSF (NSF International)

#### Revision

BSR/NSF 40-201x (i26), Residential Wastewater Treatment Systems (revision of ANSI/NSF 40-2011)

Issue 26: The purpose of this ballot is to update the language in section 8.4.1 for consistency among wastewater standards. The change in section 9 addresses a comment on the ballot 40i20 regarding when adjustments to alkalinity are made, they are required to be reported.

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

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

### NSF (NSF International)

#### Revision

BSR/NSF 60-201x (i56), Drinking water treatment chemicals - Health effects (revision of ANSI/NSF 60-2011)

The proposed ballot will revise the SPAC value to 0.3 mg/L for chlorate in sodium hypochlorite under ANSI/NSF 60.

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

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Monica Leslie, (734) 827-5643, [mleslie@nsf.org](mailto:mleslie@nsf.org)

### UL (Underwriters Laboratories, Inc.)

#### Revision

BSR/UL 698A-201X, Standard for Safety for Industrial Control Panels Relating to Hazardous (Classified) Locations (Proposal dated 05-25-12) (revision of ANSI/UL 698A-2008)

This proposal includes revisions to the Scope and Applicable Requirements of UL 698A to include AEx Class 1, Zones 0 and 1 and AEx Zones 20 and 21 References.

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

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Vickie Hinton, (919) 549-1851, [vickie.t.hinton@ul.com](mailto:vickie.t.hinton@ul.com)

### UL (Underwriters Laboratories, Inc.)

#### Revision

BSR/UL 746E-201x, Standard for Safety for Polymeric Materials - Industrial Laminates, Filament Wound Tubing, Vulcanized Fibre, and Materials Used in Printed-Wiring Boards (revision of ANSI/UL 746E-2010)

Proposal to revise the requirements for the Bond Strength Delamination and Blistering Test in Paragraph 17.7.2.1.

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

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Derrick Martin, (408) 754-6656, [Derrick.L.Martin@ul.com](mailto:Derrick.L.Martin@ul.com)

### UL (Underwriters Laboratories, Inc.)

#### Revision

BSR/UL 1004-3-201X, Standard for Safety for Thermally Protected Motors (Proposal dated 5-25-12) (revision of ANSI/UL 1004-3-2011)

This recirculation proposal provides revisions to the UL 1004-3 proposal dated 4-6-12.

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

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Jonette Herman, (919) 549-1479, [Jonette.A.Herman@ul.com](mailto:Jonette.A.Herman@ul.com)

## Comment Deadline: July 9, 2012

### AAMI (Association for the Advancement of Medical Instrumentation)

#### New National Adoption

BSR/AAMI ST15883-1-2009/A1-201x, Washer-disinfectors - Part 1: General requirements, terms and definitions and tests, Amendment 1 (identical national adoption of ISO 15883-1:2006/DAmD 1)

This amendment adds new normative references, revises definitions, updates references, provides next text for 5.2 and 5.20, and adds new references to the Bibliography.

Single copy price: Free

Obtain an electronic copy from: [www.aami.org](http://www.aami.org)

Order from: AAMI Publications (phone 1-877-249-8226/Fax 1-301-206-9789)

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Jennifer Moyer, (703) 253-8274, [jmoyer@aami.org](mailto:jmoyer@aami.org)

### ABMA (ASC B3) (American Bearing Manufacturers Association)

#### New National Adoption

BSR/ABMA/ISO 15242-2-201x, Rolling bearings - Measuring methods for vibration - Part 2: Radial ball bearings with cylindrical bore and outside surface (identical national adoption of ISO 15242-2)

Specifies vibration-measuring methods for radial single-row and double-row ball bearings, with a contact angle up to and including 45 degrees, under established test conditions. This standard covers radial ball bearings with cylindrical bore and outside surface, except bearings with filling slots and three- and four-point contact bearings

Single copy price: \$38.00

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Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: James Converse, (919) 481-2852, [jconverse@americanbearings.org](mailto:jconverse@americanbearings.org)

**ABMA (ASC B3) (American Bearing Manufacturers Association)*****New National Adoption***

BSR/ABMA/ISO 15242-3-201x, Rolling bearings - Measuring methods for vibration - Part 3: Radial spherical and tapered roller bearings with cylindrical bore and outside surface (identical national adoption of ISO 15242-3)

Specifies vibration-measuring methods for double-row radial spherical roller bearings and single-row and double row radial tapered roller bearings, with a contact angle up to and including 45 degrees, under established test conditions. This standard covers double-row radial spherical roller bearings as well as single-row and double-row radial tapered roller bearings with cylindrical bore and outside surface.

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**ABMA (ASC B3) (American Bearing Manufacturers Association)*****New National Adoption***

BSR/ABMA/ISO 15242-4-201x, Rolling bearings - Measuring methods for vibration - Part 4: Radial cylindrical roller bearings with cylindrical bore and outside surface (identical national adoption of ISO 15242-4)

Specifies vibration-measuring methods for single-row and double-row radial cylindrical roller bearings, under established test conditions. This standard covers single-row and double-row radial cylindrical roller bearings with cylindrical bore and outside surface.

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**APA (APA - The Engineered Wood Association)*****Revision***

BSR/APA PRG 320-201x, Standard for Performance-Rated Cross-Laminated Timber (revision of ANSI/APA PRG 320-2011)

This standard covers the manufacturing, qualification, quality assurance, design, and installation requirements for performance-rated cross-laminated timber products.

Single copy price: Free

Obtain an electronic copy from: [borjen.yeh@apawood.org](mailto:borjen.yeh@apawood.org)

Order from: Borjen Yeh, (253) 620-7467, [borjen.yeh@apawood.org](mailto:borjen.yeh@apawood.org)

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

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

BSR/ASABE S619 MONYEAR-201x, Safety for Tractor-Mounted, Boom-Type Post Hole Diggers (new standard)

Establishes the safety requirements for tractor-mounted, boom-type post hole diggers. Applies to boom-type post hole diggers designed and intended for digging vertical, cylindrical holes. Applies to boom-type post hole diggers designed for attachment to the three-point hitch of agricultural tractors as specified in ASAE S390, equipped with Category I or Category II three-point linkage as specified in ASAE S217, and powered by a 540-rpm power take-off or by the agricultural tractor's hydraulic power.

Single copy price: \$52.00

Obtain an electronic copy from: [vangilder@asabe.org](mailto:vangilder@asabe.org)

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

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

**ASB (ASC Z50) (American Society of Baking)*****Revision***

BSR Z50.2-201x, Bakery Equipment - Sanitation Requirements (revision and redesignation of ANSI/ASB Z50.2-2003 (R2008))

The standard serves as a guide for the design, construction, and use of bakery equipment, which can be readily maintained in a clean and sanitary condition.

Single copy price: \$25.00

Obtain an electronic copy from: [www.asbe.org](http://www.asbe.org)

Order from: Charles Steward, (570) 494-0624, [toby.steward@tnasolutions.com](mailto:toby.steward@tnasolutions.com)

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

**ASME (American Society of Mechanical Engineers)*****Revision***

BSR/ASME B31.8-201x, Gas Transmission and Distribution Piping Systems (revision of ANSI/ASME B31.8-2010)

This Code covers the design, fabrication, installation, inspection, and testing of pipeline facilities used for the transportation of gas. This Code also covers safety aspects of the operation and maintenance of those facilities. (See Appendix Q for scope diagrams.) This Code is concerned only with certain safety aspects of liquefied petroleum gases when they are vaporized and used as gaseous fuels. All of the requirements of NFPA 58 and NFPA 59 and of this Code concerning design, construction, and operation and maintenance of piping facilities shall apply to piping systems handling butane, propane, or mixtures of these gases.

Single copy price: Free

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

Order from: Mayra Santiago, ASME; [ANSIBOX@asme.org](mailto:ANSIBOX@asme.org)

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Adam Maslowski, (212) 591-8017, [maslowskia@asme.org](mailto:maslowskia@asme.org)

**ASME (American Society of Mechanical Engineers)****Revision**

BSR/ASME B31.8S-201x, Managing System Integrity of Gas Pipelines (revision of ANSI/ASME B31.8S-2010)

This Code applies to onshore pipeline systems constructed with ferrous materials and that transport gas. The principles and processes embodied in integrity management are applicable to all pipeline systems. This Code is specifically designed to provide the operator (as defined in section 13) with the information necessary to develop and implement an effective integrity management program utilizing proven industry practices and processes. The processes and approaches described within this Code are applicable to the entire pipeline system, including pipelines, compressor stations, regulator stations, metering stations or other facilities used in the transportation of gas. Similar appropriate and approved international standards may be incorporated into the integrity methodology, provided the pipeline operator can demonstrate that safety is at least equivalent or improved.

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Order from: Mayra Santiago, ASME; [ANSIBOX@asme.org](mailto:ANSIBOX@asme.org)

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Adam Maslowski, (212) 591-8017, [maslowskia@asme.org](mailto:maslowskia@asme.org)

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

BSR ATIS 0300007-2007 (R201x), Identification of Physical Network Resources (reaffirmation of ANSI ATIS 0300007-2007)

This standard shows how ATIS interconnection standard map to ITU-T Recommendation M.1401, Formalization of interconnection designations among operator's networks, not only for network operator interconnection, but also for identification of Physical Network Resources (PNR).

Single copy price: \$200.00

Obtain an electronic copy from: [kconn@atis.org](mailto:kconn@atis.org)

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

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

**CPA (Composite Panel Association)****New Standard**

BSR A135.7-201x, Engineered Wood Trim (new standard)

The purpose of the Standard is to establish a nationally recognized voluntary consensus standard for engineered wood trim that can serve as a common basis for understanding among those manufacturing, specifying or using engineered wood trim. This is a new Standard for Engineered Wood Trim.

Single copy price: Free

Obtain an electronic copy from: [gheroux@cpamail.org](mailto:gheroux@cpamail.org)

Order from: Gary Heroux, (703) 724-1128, [gheroux@cpamail.org](mailto:gheroux@cpamail.org)

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

**ISA (ISA)****New Standard**

BSR/ISA 12.04.04-201x, Pressurized Enclosures (new standard)

This standard applies to equipment made suitable for use in hazardous (classified) locations by the use of a pressurizing system. The standard applies both to equipment with and without an internal release of a flammable gas or vapor and does not apply to occupied portions of buildings such as ventilated or pressurized control rooms.

Single copy price: \$60.00

Obtain an electronic copy from: [ebrazda@isa.org](mailto:ebrazda@isa.org)

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

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**ITI (INCITS) (InterNational Committee for Information Technology Standards)****New National Adoption**

INCITS/ISO/IEC 9796-2:2010, Information technology - Security techniques - Digital signature schemes giving message recovery - Part 2: Integer factorization based mechanisms (identical national adoption and revision of INCITS/ISO/IEC 9796-2-2002 (R2008) and INCITS/ISO/IEC 9796-2-2002/AM1-2008)

ISO/IEC 9796-2:2010 specifies three digital signature schemes giving message recovery, two of which are deterministic (non-randomized) and one of which is randomized. The security of all three schemes is based on the difficulty of factorizing large numbers. All three schemes can provide either total or partial message recovery.

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**ITI (INCITS) (InterNational Committee for Information Technology Standards)****New National Adoption**

INCITS/ISO/IEC 9797-2:2011, Information technology - Security techniques - Message Authentication Codes (MACs) - Part 2: Mechanisms using a dedicated hash-function (identical national adoption and revision of INCITS/ISO/IEC 9797-2-2002 (R2007))

This part of ISO/IEC 9797 specifies three MAC algorithms that use a secret key and a hash-function (or its round-function) with an n-bit result to calculate an m-bit MAC. These mechanisms can be used as data integrity mechanisms to verify that data has not been altered in an unauthorized manner. They can also be used as message authentication mechanisms to provide assurance that a message has been originated by an entity in possession of the secret key.

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

### *New National Adoption*

INCITS/ISO/IEC 9797-3:2011, Information technology - Security techniques - Message Authentication Codes (MACs) - Part 3: Mechanisms using a universal hash-function (identical national adoption of ISO/IEC 9797-3:2011)

ISO/IEC 9797-3:2011 specifies the following Message Authentication Code (MAC) algorithms that use a secret key and a universal hash-function with an n-bit result to calculate an m-bit MAC based on the block ciphers specified in ISO/IEC 18033-3 and the stream ciphers specified in ISO/IEC 18033-4: 1.UMAC; 2.Badger; 3.Poly1305-AES; 4.GMAC.

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

### *New National Adoption*

INCITS/ISO/IEC 9798-1:2010, Information technology - Security techniques - Entity authentication - Part 1: General (identical national adoption and revision of INCITS/ISO/IEC 9798-1-2008)

ISO/IEC 9798-1:2010 specifies an authentication model and general requirements and constraints for entity authentication mechanisms which use security techniques. These mechanisms are used to corroborate that an entity is the one that is claimed. An entity to be authenticated proves its identity by showing its knowledge of a secret. The mechanisms are defined as exchanges of information between entities and, where required, exchanges with a trusted third party.

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

### *New National Adoption*

INCITS/ISO/IEC 9798-6:2010, Information technology - Security techniques - Entity authentication - Part 6: Mechanisms using manual data transfer (identical national adoption and revision of INCITS/ISO/IEC 9798-6-2008)

ISO/IEC 9798-6:2010 specifies eight entity authentication mechanisms based on manual data transfer between authenticating devices. Four of these mechanisms are improved versions of mechanisms specified in ISO/IEC 9798-6:2005 since they use less user input and achieve more security. Such mechanisms can be appropriate in a variety of circumstances where there is no need for an existing public key infrastructure, shared secret keys or passwords.

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

### *New National Adoption*

INCITS/ISO/IEC 11770-5:2011, Information technology - Security techniques - Key management - Part 5: Group key management (identical national adoption of ISO/IEC 11770-5:2011)

ISO/IEC 11770-5:2011 specifies key establishment mechanisms for multiple entities to provide procedures for handling cryptographic keying material used in symmetric or asymmetric cryptographic algorithms according to the security policy in force.

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

### *New National Adoption*

INCITS/ISO/IEC 13888-2:2010, Information technology - Security techniques - Non-repudiation - Part 2: Mechanisms using symmetric techniques (identical national adoption and revision of INCITS/ISO/IEC 13888-2-2009)

The goal of the non-repudiation service is to generate, collect, maintain, make available and validate evidence concerning a claimed event or action in order to resolve disputes about the occurrence or non-occurrence of the event or action. ISO/IEC 13888-2:2010 provides descriptions of generic structures that can be used for non-repudiation services, and of some specific communication-related mechanisms which can be used to provide non-repudiation of origin (NRO) and non-repudiation of delivery (NRD).

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

### *New National Adoption*

INCITS/ISO/IEC 15408-1:2009, Information technology - Security techniques - Evaluation criteria for IT security - Part 1: Introduction and general model (identical national adoption and revision of INCITS/ISO/IEC 15408-1-2008)

This part of ISO/IEC 15408 establishes the general concepts and principles of IT security evaluation and specifies the general model of evaluation given by various parts of the International Standard, which in its entirety is meant to be used as the basis for evaluation of security properties of IT products.

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

### ***New National Adoption***

INCITS/ISO/IEC 15408-3:2008, Information technology - Security techniques - Evaluation criteria for IT security - Part 3: Security assurance components (identical national adoption and revision of INCITS/ISO/IEC 15408-3-2008)

This part of ISO/IEC 15408 defines the assurance requirements of ISO/IEC 15408. It includes the evaluation assurance levels (EALs) that define a scale for measuring assurance for component TOEs, the composed assurance packages (CAPs) that define a scale for measuring assurance for composed TOEs, the individual assurance components from which the assurance levels and packages are composed, and the criteria for evaluation of PPs and STs.

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

### ***New National Adoption***

INCITS/ISO/IEC 15946-5:2009, Information technology - Security techniques - Cryptographic techniques based on elliptic curves - Part 5: Elliptic curve generation (identical national adoption of ISO/IEC 15946-5:2009)

The scope of this part of ISO/IEC 15946 is restricted to cryptographic techniques based on elliptic curves defined over finite fields of prime power order (including the special cases of prime order and characteristic two). The representation of elements of the underlying finite field (i.e., which basis is used) is outside the scope of this part of ISO/IEC 15946. ISO/IEC 15946 does not specify the implementation of the techniques it defines. Interoperability of products complying with ISO/IEC 15946 will not be guaranteed.

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

### ***New National Adoption***

INCITS/ISO/IEC 18033-3:2010, Information technology - Security techniques - Encryption algorithms - Part 3: Block ciphers (identical national adoption and revision of INCITS/ISO/IEC 18033-3:2005 (R2009))

ISO/IEC 18033 specifies encryption systems (ciphers) for the purpose of data confidentiality. ISO/IEC 18033-3:2010 specifies block ciphers. A block cipher is a symmetric encipherment system with the property that the encryption algorithm operates on a block of plaintext, i.e., a string of bits of a defined length, to yield a block of ciphertext.

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

### ***New National Adoption***

INCITS/ISO/IEC 18033-4:2011, Information technology - Security techniques - Encryption algorithms - Part 4: Stream ciphers (identical national adoption and revision of INCITS/ISO/IEC 18033-4:2005 (R2009))

This part of ISO/IEC 18033 specifies:

- (a) output functions to combine a keystream with plaintext;
- (b) keystream generators for producing keystream, and
- (c) object identifiers assigned to dedicated keystream generators in accordance with ISO/IEC 9834.

NOTE 1: The list of assigned object identifiers is given in Annex A.

NOTE 2: Any change to the specification of these algorithms resulting in a change of functional behavior will result in a change of the object identifier assigned to the algorithms concerned.

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

### ***New National Adoption***

INCITS/ISO/IEC 18033-1:2005/AM1:2011, Information technology - Security techniques - Encryption algorithms - Part 1: General Amendment 1 (identical national adoption of ISO/IEC 18033-1:2005/AM1:2011)

This is Amendment 1 to ISO/IEC 18033-1:2005.

Single copy price: \$30.00

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

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

### ***New National Adoption***

INCITS/ISO/IEC 27033-1:2009, Information technology - Security techniques - Network security - Part 1: Overview and concepts (identical national adoption of ISO/IEC 27033-1:2009)

ISO/IEC 27033-1:2009 provides an overview of network security and related definitions. It defines and describes the concepts associated with, and provides management guidance on, network security. (Network security applies to the security of devices, security of management activities related to the devices, applications/services and end-users, in addition to security of the information being transferred across the communication links.)

Single copy price: \$30.00

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

### ***New National Adoption***

INCITS/ISO/IEC 27033-3:2010, Information technology - Security techniques - Network security - Part 3: Reference networking scenarios - Threats, design techniques and control issues (identical national adoption of ISO/IEC 27033-3:2010)

ISO/IEC 27033-3:2010 describes the threats, design techniques and control issues associated with reference network scenarios. For each scenario, it provides detailed guidance on the security threats and the security design techniques and controls required to mitigate the associated risks. Where relevant, it includes references to ISO/IEC 27033-4 to ISO/IEC 27033-6 to avoid duplicating the content of those documents.

Single copy price: \$30.00

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

### ***New National Adoption***

INCITS/ISO/IEC 29192-2:2012, Information technology - Security techniques - Lightweight cryptography - Part 2: Block ciphers (identical national adoption of ISO/IEC 29192-2:2012)

This part of ISO/IEC 29192 specifies two block ciphers suitable for applications requiring lightweight cryptographic implementations:

- PRESENT: A lightweight block cipher with a block size of 64 bits and a key size of 80 or 128 bits; and
- CLEFIA: A lightweight block cipher with a block size of 128 bits and a key size of 128, 192, or 256 bits.

Single copy price: \$30.00

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

### ***New National Adoption***

INCITS/ISO/IEC 18031:2011, Information technology - Security techniques - Random bit generation (identical national adoption and revision of INCITS/ISO/IEC 18031-2008)

This International Standard specifies a conceptual model for a random-bit generator for cryptographic purposes, together with the elements of this model. This International Standard specifies the characteristics of the main elements required for a non-deterministic random-bit generator, specifies the characteristics of the main elements required for a deterministic random-bit generator, and establishes the security requirements for both the non-deterministic and the deterministic random-bit generator.

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

### ***New National Adoption***

INCITS/ISO/IEC 19792:2009, Information technology - Security techniques - Security evaluation of biometrics (identical national adoption of ISO/IEC 19792:2009)

ISO/IEC 19792:2009 specifies the subjects to be addressed during a security evaluation of a biometric system. It covers the biometric-specific aspects and principles to be considered during the security evaluation of a biometric system. It does not address the non-biometric aspects which might form part of the overall security evaluation of a system using biometric technology (e.g., requirements on databases or communication channels).

Single copy price: \$30.00

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

### ***New National Adoption***

INCITS/ISO/IEC 24745:2011, Information technology - Security techniques - Biometric information protection (identical national adoption of ISO/IEC 24745:2011)

ISO/IEC 24745:2011 provides guidance for the protection of biometric information under various requirements for confidentiality, integrity and renewability/revocability during storage and transfer. Additionally, ISO/IEC 24745:2011 provides requirements and guidelines for the secure and privacy-compliant management and processing of biometric information.

Single copy price: \$30.00

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

### ***New National Adoption***

INCITS/ISO/IEC 27003:2010, Information technology - Security techniques - Information security management system implementation guidance (identical national adoption of ISO/IEC 27003:2010)

ISO/IEC 27003:2010 focuses on the critical aspects needed for successful design and implementation of an Information Security Management System (ISMS) in accordance with ISO/IEC 27001:2005. It describes the process of ISMS specification and design from inception to the production of implementation plans. It describes the process of obtaining management approval to implement an ISMS, defines a project to implement an ISMS (referred to in ISO/IEC 27003:2010 as the ISMS project), and provides guidance on how to plan the ISMS project, resulting in a final ISMS project implementation plan.

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

### ***New National Adoption***

INCITS/ISO/IEC 27005:2011, Information technology - Security techniques - Information security risk management (identical national adoption and revision of INCITS/ISO/IEC 27005-2009)

ISO/IEC 27005:2011 provides guidelines for information security risk management. It supports the general concepts specified in ISO/IEC 27001 and is designed to assist the satisfactory implementation of information security based on a risk management approach. Knowledge of the concepts, models, processes and terminologies described in ISO/IEC 27001 and ISO/IEC 27002 is important for a complete understanding of ISO/IEC 27005:2011. ISO/IEC 27005:2011 is applicable to all types of organizations (e.g., commercial enterprises, government agencies, non-profit organizations) that intend to manage risks that could compromise the organization's information security.

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

### ***New National Adoption***

INCITS/ISO/IEC 27006:2011, Information technology - Security techniques - Requirements for bodies providing audit and certification of information security management systems (identical national adoption and revision of INCITS/ISO/IEC 27006-2008)

This International Standard specifies requirements and provides guidance for bodies providing audit and certification of an information security management system (ISMS), in addition to the requirements contained within ISO/IEC 17021 and ISO/IEC 27001. It is primarily intended to support the accreditation of certification bodies providing ISMS certification.

Single copy price: \$30.00

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

### ***New National Adoption***

INCITS/ISO/IEC 27007:2011, Information technology - Security techniques - Guidelines for information security management systems auditing (identical national adoption of ISO/IEC 27007:2011)

This International Standard provides guidance on managing an information security management system (ISMS) audit program, on conducting the audits, and on the competence of ISMS auditors, in addition to the guidance contained in ISO 19011. This International Standard is applicable to those needing to understand or conduct internal or external audits of an ISMS or to manage an ISMS audit program.

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

### ***New National Adoption***

INCITS/ISO/IEC 29100:2011, Information technology -- Security techniques -- Privacy framework (identical national adoption of ISO/IEC 29100:2011)

This International Standard provides a privacy framework that:

- specifies a common privacy terminology;
- defines the actors and their roles in processing personally identifiable information (PII);
- describes privacy safeguarding considerations; and
- provides references to known privacy principles for information technology.

This International Standard is applicable to natural persons and organizations involved in specifying, procuring, architecting, designing, developing, testing, maintaining, administering, and operating information and communication technology systems or services where privacy controls are required for the processing of PII.

Single copy price: \$30.00

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

### **New National Adoption**

INCITS/ISO/IEC 29128:2011, Information technology - Security techniques - Verification of cryptographic protocols (identical national adoption of ISO/IEC 29128:2011)

This International Standard establishes a technical base for the security proof of the specification of cryptographic protocols. This International Standard specifies design evaluation criteria for these protocols, as well as methods to be applied in a verification process for such protocols. This International Standard also provides definitions of different protocol assurance levels consistent with evaluation assurance components in ISO/IEC 15408.

Single copy price: \$30.00

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

### **New National Adoption**

INCITS/ISO/IEC 29150:2011, Information technology - Security techniques - Signcryption (identical national adoption of ISO/IEC 29150:2011)

This International Standard specifies four mechanisms for signcryption that employ public key cryptographic techniques requiring both the originator and the recipient of protected data to have their own public and private key pairs.

Single copy price: \$30.00

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## MedBiq (MedBiquitous Consortium)

### **New Standard**

BSR/MEDBIQ CF.10.1-201x, Competency Framework (new standard)

Competency Framework leverages the Healthcare Learning Object Metadata and references external competency definitions of different formats. It contains metadata about the framework as well as relationships (hierarchical and non-hierarchical) among competency objects and potentially existing frameworks that comprise the competency framework.

Single copy price: Free

Obtain an electronic copy from: [http://medbiq.org/sc/CompetencyFramework\\_9apr2012.zip](http://medbiq.org/sc/CompetencyFramework_9apr2012.zip)

Order from: Valerie Smothers, (410) 735-6142, [vsmothers@jhmi.edu](mailto:vsmothers@jhmi.edu)

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

## NISO (National Information Standards Organization)

### **Revision**

BSR/NISO Z39.83-1-201X, NISO Circulation Interchange - Part 1: Protocol (NCIP) (revision of ANSI/NISO Z39.83-1-2008)

This standard defines a protocol that is limited to the exchange of messages between and among computer-based applications to enable them to perform the functions necessary to lend and borrow items, to provide controlled access to electronic resources, and to facilitate co-operative management of these functions.

Single copy price: \$45.00

Obtain an electronic copy from: [http://www.niso.org/apps/group\\_public/document.php?document\\_id=8328&wg\\_abbrev=z3983maint](http://www.niso.org/apps/group_public/document.php?document_id=8328&wg_abbrev=z3983maint)

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

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## NISO (National Information Standards Organization)

### **Revision**

BSR/NISO Z39.83-2-201X, NISO Circulation Interchange Protocol (NCIP) - Part 2: Implementation Profile 1 (revision of ANSI/NISO Z39.83-2-2008)

The purpose of this Protocol Implementation Profile 1 (IMP1) is to specify details of implementation of the NISO Circulation Interchange Part 1: Protocol (NCIP). This IMP1 was developed primarily to support three broad application areas: Direct Consortial Borrowing, Circulation/Interlibrary Loan Interchange, and Self Service Circulation. Secondly, the profile was intended for use with emerging application areas such as the management of electronic resources.

Single copy price: \$45.00

Obtain an electronic copy from: [http://www.niso.org/apps/group\\_public/document.php?document\\_id=8329&wg\\_abbrev=z3983maint](http://www.niso.org/apps/group_public/document.php?document_id=8329&wg_abbrev=z3983maint)

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## NSF (NSF International)

### **Revision**

BSR/NSF 50-201x (i79), Equipment for swimming pools, spas, hot tubs, and other recreational water facilities (revision of ANSI/NSF 50-2011)

Issue 79 - The purpose of this ballot is to update the life-testing requirements for process equipment.

Single copy price: Free

Obtain an electronic copy from: [http://standards.nsf.org/apps/group\\_public/document.php?document\\_id=17547](http://standards.nsf.org/apps/group_public/document.php?document_id=17547)

Order from: Lorna Badman, (734) 827-6806, [badman@nsf.org](mailto:badman@nsf.org)

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

**NSF (NSF International)****Revision**

BSR/NSF 50-201x (i85), Equipment for swimming pools, spas, hot tubs, and other recreational water facilities (revision of ANSI/NSF 50-2011)

Issue 85 - The purpose of this ballot is to address several issues that were motioned to ballot as written from the 2011 Joint Committee on Recreational Water Facilities annual meetings. The following modifications are included in the ballot:

- Modification to Annex G (RWF-2011-3);
- Modification to Electrolytic ClBr (RWF-2011-17);
- Non-integral strainers section (RWF-2011-22); and
- Feeder output flow control (RWF-2011-24).

Single copy price: Free

Obtain an electronic copy from: [http://standards.nsf.org/apps/group\\_public/document.php?document\\_id=17485](http://standards.nsf.org/apps/group_public/document.php?document_id=17485)

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**TechAmerica****Revision**

BSR/GEIA STD-0005-2-A-201x, Standard for Mitigating the Effects of Tin Whiskers in Aerospace and High Performance Electronic Systems (revision and redesignation of ANSI/GEIA STD-0005-2-2006)

This Standard establishes processes for documenting the mitigating steps taken to reduce the harmful effects of Pb-free tin in electronic systems. This Standard is applicable to Aerospace, Military, and High-Performance electronic applications that procure equipment that may contain Pb-free tin finishes.

Single copy price: \$100.00

Obtain an electronic copy from: <http://www.techamerica.org/standards> and click on Online Standards Store under Resources

Order by Phone: Call 800-699-9277 (Customer Service)

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: [standards@techamerica.org](mailto:standards@techamerica.org)

**TIA (Telecommunications Industry Association)****Addenda**

BSR/TIA 102.AABF-C-1-201x, Link Control Word Formats and Messages - Addendum 1: Conventional Fallback (addenda to ANSI/TIA 102.AABF-C-2011)

This addendum adds a message for Conventional Fallback Operation.

Single copy price: \$60.00

Obtain an electronic copy from: [standards@tiaonline.org](mailto:standards@tiaonline.org)

Order from: [standards@tiaonline.org](mailto:standards@tiaonline.org)

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

**UL (Underwriters Laboratories, Inc.)****New National Adoption**

BSR/UL 60079-15-201X, Standard for Safety for Explosive Atmospheres - Part 15: Equipment Protection by Type of Protection "n" (Proposal ballot dated 5/25/12) (national adoption with modifications and revision of ANSI/UL 60079-15-2009)

This recirculation proposal provides revisions to the bulletin dated December 6, 2011 for the PNE of UL 60079-15 based upon the comments received. This revision is a complete rewrite of text to coincide with the IEC text and contains US deviations.

Single copy price: Contact comm2000 for pricing and delivery options

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Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Vickie Hinton, (919) 549-1851, [vickie.t.hinton@ul.com](mailto:vickie.t.hinton@ul.com)

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

BSR/UL 1413-201X, Standard for Safety for High-Voltage Components for Television-Type Appliances (new standard)

Seeks ANSI approval of UL 1413, which covers flyback transformers, high-voltage multipliers, deflection yokes and picture-tube high-voltage-neck components intended to be employed in television-type appliances.

Single copy price: Contact comm2000 for pricing and delivery options

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

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Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Barbara Davis, (408) 754-6722, [Barbara.J.Davis@ul.com](mailto:Barbara.J.Davis@ul.com)

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

BSR/UL 525-2008 (R201x), Standard for Safety for Flame Arresters (Proposal bulletin dated 05-25-12) (reaffirmation of ANSI/UL 525-2008)

Reaffirmation of the eighth edition of UL 525 as an American National Standard.

Single copy price: Contact comm2000 for pricing and delivery options

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Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Vickie Hinton, (919) 549-1851, [vickie.t.hinton@ul.com](mailto:vickie.t.hinton@ul.com)

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

BSR/UL 498-201X, Standard for Safety for Attachment Plugs and Receptacles (Proposal dated 5/25/12) (revision of ANSI/UL 498-2012B)

- (1) Addition of requirements for receptacles employing rotatable outlets;
- (2) Revision of requirements for the retention of plugs test for connectors and receptacles;
- (3) Revision to include reference to ANSI E1.24-2012, Entertainment Technology - Dimensional Requirements for Stage Pin Connectors;
- (4) Revision to the scope to exclude single pole locking-type separable connectors covered by UL 1691;
- (5) Revision to update references to the Standard for Wiring Device Configurations, UL 1681.

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**WDMA (Window and Door Manufacturers Association)****Revision**

BSR/WDMA I.S. 1A-201x, Industry Standard for Architectural Wood Flush Doors (revision of ANSI/WDMA I.S. 1A-2004)

Defines the aesthetic grades and performance duty levels for interior architectural wood flush doors. This document provides standard requirements and tests to ensure all products complying with the standard are evaluated on an equal basis, and provides a logical system of references, keyed to a guide specification, to facilitate thorough, precise and accurate architectural specifications.

Single copy price: Free

Obtain an electronic copy from: [www.wdma.com](http://www.wdma.com)

Order from: Stephen Kendrick, 202-367-4877, [skendrick@wdma.com](mailto:skendrick@wdma.com)

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

**Comment Deadline: July 24, 2012**

Reaffirmations and withdrawals available electronically may be accessed at: [webstore.ansi.org](http://webstore.ansi.org)

**UL (Underwriters Laboratories, Inc.)****New National Adoption**

BSR/UL 60335-2-40-201X, Standard for Household And Similar Electrical Appliances, Part 2-40: Particular requirements for electrical heat pumps, air-conditioners and dehumidifiers (national adoption with modifications of IEC 60335-2-40)

This standard covers the safety of electric heat pumps, including sanitary hot-water heat pumps, air-conditioners, and dehumidifiers incorporating motor-compressors and hydronic room fan coils, their maximum rated voltages being not more than 250 V for single-phase appliances and 600 V for all other appliances. Appliances not intended for normal household use but that nevertheless may be a source of danger to the public, such as appliances intended to be used by laymen in shops, in light industry and on farms, are within the scope of this standard. Supplementary heaters, or a provision for their separate installation, are within the scope of this standard.

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

**Projects Withdrawn from Consideration**

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

**AWWA (American Water Works Association)**

BSR/AWWA 15.501-201x, Wastewater Treatment Plant Operations and Management Standards Committee is seeking volunteers in the Producer classifications with wastewater experience. (new standard)

**AWWA (American Water Works Association)**

BSR/AWWA 15.502-201x, Wastewater Collection System Standards Committee is seeking volunteers in the General Interest, Producer, and User classifications with wastewater experience. (new standard)

**AWWA (American Water Works Association)**

BSR/AWWA 15.503-201x, Wastewater Pretreatment Standards Committee is seeking volunteers in the General Interest, Producer, and User classifications with wastewater experience. (new standard)

**AWWA (American Water Works Association)**

BSR/AWWA 15.504-201x, Wastewater Biosolids Standards Committee is seeking volunteers in the General Interest, Producer, and User classifications with wastewater experience. (new standard)

**AWWA (American Water Works Association)**

BSR/AWWA B30Y-199x, Aqueous Ammonia (new standard)

**AWWA (American Water Works Association)**

BSR/AWWA B30X-199x, Anhydrous Ammonia (new standard)

**AWWA (American Water Works Association)**

BSR/AWWA B52X-199x, Sodium Bicarbonate (new standard)

**AWWA (American Water Works Association)**

BSR/AWWA C2XX-200x, Fabricated Steel & Stainless Steel Tapping Sleeves for Various Pipe Materials (revision of)

**AWWA (American Water Works Association)**

BSR/AWWA C2AA-2001, Fused PE Coatings (new standard)

**AWWA (American Water Works Association)**

BSR/AWWA C2DD-2001, Split Sleeve Couplings (new standard)

**AWWA (American Water Works Association)**

BSR/AWWA C3XX-1996, Prestressed Concrete Pressure Pipe, Non-Cylinder Type (new standard)

**AWWA (American Water Works Association)**

BSR/AWWA C5XB-200x, Large Diameter Butterfly Valves Sizes 78-In. (2000-mm) and Larger (new standard)

**AWWA (American Water Works Association)**

BSR/AWWA C5BB-2001, Plug Valves (new standard)

**AWWA (American Water Works Association)**

BSR/AWWA C6ZZ-199x, Installation of Steel Water Pipe (new standard)

**AWWA (American Water Works Association)**

BSR/AWWA C22X-199x, Fused Polyethylene Coating Systems for the Exterior of Steel Water Pipe (new standard)

**AWWA (American Water Works Association)**

BSR/AWWA C22Z-2001, Polyamide Coatings (new standard)

**AWWA (American Water Works Association)**

BSR/AWWA C50Z-199x, Open Channel, Fabricated Metal-Slide Gates (new standard)

**AWWA (American Water Works Association)**

BSR/AWWA C56X-2001, Fabricated Stainless Steel Slide Gates (new standard)

**AWWA (American Water Works Association)**

BSR/AWWA C71x-200x, Cold-Water Meters - Singlejet Type (new standard)

**AWWA (American Water Works Association)**

BSR/AWWA C90x-200x, Polyethylene-Aluminum-Polyethylene Composite Pressure Pipes, 1/2 In. (12 mm) Through 2 In. (50 mm), for Water Service (new standard)

**AWWA (American Water Works Association)**

BSR/AWWA C90X-1996, Molecularly Oriented PVC Pipe (new standard)

**AWWA (American Water Works Association)**

BSR/AWWA C509-201x, Resilient-Seated Gate Valves (revision of ANSI/AWWA C509-2009)

**AWWA (American Water Works Association)**

BSR/AWWA E10X-199x, Vertical Line Shaft Pumps (new standard)

**AWWA (American Water Works Association)**

BSR/AWWA E10Y-199x, Submersible Vertical Turbine Pumps (new standard)

**AWWA (American Water Works Association)**

BSR/AWWA GIS1-200x, International Customer Service (national adoption with modifications of ISO 24510)

**AWWA (American Water Works Association)**

BSR/AWWA GIS2-200x, International Water Utility Management (national adoption with modifications of ISO 24512)

**AWWA (American Water Works Association)**

BSR/AWWA GIS3-200x, International Wastewater Utility Management (national adoption with modifications of ISO 24511)

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

BSR/UL 1740-2007 (R201x), Standard for Safety Robots and Robotic Equipment (reaffirmation of ANSI/UL 1740-2007)

## Technical Reports Registered with ANSI

Technical Reports Registered with ANSI are not consensus documents. Rather, all material contained in Technical Reports Registered with ANSI is informational in nature. Technical reports may include, for example, reports of technical research, tutorials, factual data obtained from a survey carried out among standards developers and/or national bodies, or information on the "state of the art" in relation to standards of national or international bodies on a particular subject.

Immediately following the end of a 30-day announcement period in Standards Action, the Technical Report will be registered by ANSI. Please submit any comments regarding this registration to the organization indicated, with a copy to the PSA Center, American National Standards Institute, 25 West 43rd Street, New York, NY 10036 or E-Mail to [psa@ansi.org](mailto:psa@ansi.org).

### Comment Deadline: June 24, 2012

#### ADA (American Dental Association)

ADA Technical Report No. 1054-2012, Electronic Dental Laboratory Prescription Forms (TECHNICAL REPORT) (technical report)

Electronic Dental Laboratory Prescription Forms

This report presents the types of data and electronic formats necessary to compile an electronic dental laboratory prescription form. The report addresses the need for electronic transmission of accurate patient information from the dental practitioner to the laboratory with security and interoperability.

Single copy price: \$70.00

Order from: Marilyn Ward, (312) 440-2506, [wardm@ada.org](mailto:wardm@ada.org)

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Paul Bralower, e-mail [bralowerp@ada.org](mailto:bralowerp@ada.org)

#### HL7 (Health Level Seven)

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

The Immunization Domain Analysis Model is a document that is intended to paint a picture of the domain around immunization. This includes the types of immunization data important in clinical medicine and public health, the interactions between health information systems regarding immunization which support these efforts. It seeks to provide a framework to support HL7 efforts in messaging, documents and services.

Single copy price: Free to members and nonmembers

Order from: Karen Van Hentenryck, (734) 677-7777 Ext 104, [Karenvan@HL7.org](mailto:Karenvan@HL7.org)

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

# Call for Members (ANS Consensus Bodies)

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

## AAMI (Association for the Advancement of Medical Instrumentation)

**Office:** 4301 N Fairfax Drive  
Suite 301  
Arlington, VA 22203-1633

**Contact:** *Jennifer Moyer*

**Phone:** (703) 253-8274

**Fax:** (703) 276-0793

**E-mail:** [jmoyer@aami.org](mailto:jmoyer@aami.org)

BSR/AAMI ST15883-1-2009/A1-201x, Washer-disinfectors - Part 1: General requirements, terms and definitions and tests, Amendment 1 (identical national adoption of ISO 15883-1:2006/DAMd 1)

BSR/AAMI/ISO 14708-2-201x, Implants for surgery - Active implantable medical devices - Part 2: Cardiac pacemakers (identical national adoption of ISO 14708-2 (under development))

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

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

**Contact:** *Rachel Porter*

**Phone:** 202-626-5741

**Fax:** 202-638-4922

**E-mail:** [rporter@itic.org](mailto:rporter@itic.org)

INCITS/ISO/IEC 9796-2:2010, Information technology - Security techniques - Digital signature schemes giving message recovery - Part 2: Integer factorization based mechanisms (identical national adoption and revision of INCITS/ISO/IEC 9796-2-2002 (R2008), INCITS/ISO/IEC 9796-2-2002/AM1-2008)

INCITS/ISO/IEC 9797-2:2011, Information technology - Security techniques - Message Authentication Codes (MACs) - Part 2: Mechanisms using a dedicated hash-function (identical national adoption and revision of INCITS/ISO/IEC 9797-2-2002 (R2007))

INCITS/ISO/IEC 9797-3:2011, Information technology - Security techniques - Message Authentication Codes (MACs) - Part 3: Mechanisms using a universal hash-function (identical national adoption of ISO/IEC 9797-3:2011)

INCITS/ISO/IEC 9798-1:2010, Information technology - Security techniques - Entity authentication - Part 1: General (identical national adoption and revision of INCITS/ISO/IEC 9798-1-2008)

INCITS/ISO/IEC 9798-6:2010, Information technology - Security techniques - Entity authentication - Part 6: Mechanisms using manual data transfer (identical national adoption and revision of INCITS/ISO/IEC 9798-6-2008)

INCITS/ISO/IEC 11770-1:2010, Information technology - Security techniques - Key management - Part 1: Framework (identical national adoption and revision of INCITS/ISO/IEC 11770-1-2009)

INCITS/ISO/IEC 11770-5:2011, Information technology - Security techniques - Key management - Part 5: Group key management (identical national adoption of ISO/IEC 11770-5:2011)

INCITS/ISO/IEC 13888-2:2010, Information technology - Security techniques - Non-repudiation - Part 2: Mechanisms using symmetric techniques (identical national adoption and revision of INCITS/ISO/IEC 13888-2-2009)

INCITS/ISO/IEC 15408-1:2009, Information technology - Security techniques - Evaluation criteria for IT security - Part 1: Introduction and general model (identical national adoption and revision of INCITS/ISO/IEC 15408-1-2008)

INCITS/ISO/IEC 15408-2:2008, Information technology - Security techniques - Evaluation criteria for IT security - Part 2: Security functional components (identical national adoption and revision of INCITS/ISO/IEC 15408-2-2008)

INCITS/ISO/IEC 15408-3:2008, Information technology - Security techniques - Evaluation criteria for IT security - Part 3: Security assurance components (identical national adoption and revision of INCITS/ISO/IEC 15408-3-2008)

INCITS/ISO/IEC 15946-5:2009, Information technology - Security techniques - Cryptographic techniques based on elliptic curves - Part 5: Elliptic curve generation (identical national adoption of ISO/IEC 15946-5:2009)

INCITS/ISO/IEC 18033-3:2010, Information technology - Security techniques - Encryption algorithms - Part 3: Block ciphers (identical national adoption and revision of INCITS/ISO/IEC 18033-3:2005 (R2009))

INCITS/ISO/IEC 18033-4:2011, Information technology - Security techniques - Encryption algorithms - Part 4: Stream ciphers (identical national adoption and revision of INCITS/ISO/IEC 18033-4:2005 (R2009))

INCITS/ISO/IEC 18033-1:2005/AM1:2011, Information technology - Security techniques - Encryption algorithms - Part 1: General Amendment 1 (identical national adoption of ISO/IEC 18033-1:2005/AM1:2011)

INCITS/ISO/IEC 27033-1:2009, Information technology - Security techniques - Network security - Part 1: Overview and concepts (identical national adoption of ISO/IEC 27033-1:2009)

INCITS/ISO/IEC 27033-3:2010, Information technology - Security techniques - Network security - Part 3: Reference networking scenarios - Threats, design techniques and control issues (identical national adoption of ISO/IEC 27033-3:2010)

INCITS/ISO/IEC 29192-2:2012, Information technology - Security techniques - Lightweight cryptography - Part 2: Block ciphers (identical national adoption of ISO/IEC 29192-2:2012)

INCITS/ISO/IEC 18031:2011, Information technology - Security techniques - Random bit generation (identical national adoption and revision of INCITS/ISO/IEC 18031-2008)

INCITS/ISO/IEC 18045:2008, Information technology - Security techniques - Methodology for IT security evaluation (identical national adoption and revision of INCITS/ISO/IEC 18045-2008)

INCITS/ISO/IEC 19792:2009, Information technology - Security techniques - Security evaluation of biometrics (identical national adoption of ISO/IEC 19792:2009)

INCITS/ISO/IEC 24745:2011, Information technology - Security techniques - Biometric information protection (identical national adoption of ISO/IEC 24745:2011)

INCITS/ISO/IEC 27003:2010, Information technology - Security techniques - Information security management system implementation guidance (identical national adoption of ISO/IEC 27003:2010)

INCITS/ISO/IEC 27005:2011, Information technology - Security techniques - Information security risk management (identical national adoption and revision of INCITS/ISO/IEC 27005-2009)

INCITS/ISO/IEC 27006:2011, Information technology - Security techniques - Requirements for bodies providing audit and certification of information security management systems (identical national adoption and revision of INCITS/ISO/IEC 27006-2008)

INCITS/ISO/IEC 27007:2011, Information technology - Security techniques - Guidelines for information security management systems auditing (identical national adoption of ISO/IEC 27007:2011)

INCITS/ISO/IEC 29100:2011, Information technology - Security techniques - Privacy framework (identical national adoption of ISO/IEC 29100:2011)

INCITS/ISO/IEC 29128:2011, Information technology - Security techniques - Verification of cryptographic protocols (identical national adoption of ISO/IEC 29128:2011)

INCITS/ISO/IEC 29150:2011, Information technology -- Security techniques -- Signcryption (identical national adoption of ISO/IEC 29150:2011)

#### **MedBiq (MedBiquitous Consortium)**

**Office:** 5801 Smith Avenue, Davis 3110C  
Baltimore, MD 21202

**Contact:** Valerie Smothers

**Phone:** (410) 735-6142

**Fax:** (410) 735-4660

**E-mail:** vsmothers@jhmi.edu

BSR/MEDBIQ CF.10.1-201x, Competency Framework (new standard)

#### **TAPPI (Technical Association of the Pulp and Paper Industry)**

**Office:** 15 Technology Parkway South  
Norcross, GA 30092

**Contact:** Charles Bohanan

**Phone:** (770) 209-7276

**Fax:** (770) 446-6947

**E-mail:** standards@tappi.org

BSR/TAPPI T 459 om-201x, Surface strength of paper (wax pick test) (new standard)

BSR/TAPPI T 572 om-201x, Accelerated pollutant aging of printing and writing paper by pollution chamber exposure apparatus (new standard)

#### **TIA (Telecommunications Industry Association)**

**Office:** 2500 Wilson Boulevard, Suite 300  
Arlington, VA 22201

**Contact:** Marianna Kramarikova

**Phone:** (703) 907-7743

**E-mail:** mkramarikova@tiaonline.org

BSR/TIA 102.AABF-C-1-201x, Link Control Word Formats and Messages - Addendum 1: Conventional Fallback (addenda to ANSI/TIA 102.AABF-C-2011)

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

**Office:** 333 Pfingsten Road  
Northbrook, IL 60062-2096

**Contact:** Alan McGrath

**Phone:** (847) 664-3038

**Fax:** (847) 664-3038

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

BSR/UL 60335-2-40-201X, Standard for Household And Similar Electrical Appliances - Part 2-40: Particular requirements for electrical heat pumps, air-conditioners and dehumidifiers (national adoption with modifications of IEC 60335-2-40)

#### **WDMA (Window and Door Manufacturers Association )**

**Office:** 401 N. Michigan Ave, Suite 2200  
Chicago, IL 60611

**Contact:** Jeffrey Lowinski

**Phone:** (312) 673-5891

**E-mail:** jlowinski@wdma.com

BSR/WDMA I.S.1A-201x, Industry Standard for Architectural Wood Flush Doors (revision of ANSI/WDMA I.S. 1A-2004)

# 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.

## ASQ (American Society for Quality)

### *New Standard*

ANSI/ASQ S1-2012, An attribute skip-lot sampling program (new standard): 5/18/2012

ANSI/ASQ S3-2012, An attribute chain sampling program (new standard): 5/18/2012

## ASTM (ASTM International)

### *Reaffirmation*

ANSI/ASTM F1900-1998 (R2012), Test Method for Water Resistance of Footwear Using a Walking Step Simulator (reaffirmation of ANSI/ASTM F1900-1998 (R2004)): 5/15/2012

### *Revision*

ANSI/ASTM F2479-2012, Guide for Specification, Purchase, Installation and Maintenance of Poured-in-Place Playground Surfacing (revision of ANSI/ASTM F2479-2011): 5/15/2012

## IIAR (International Institute of Ammonia Refrigeration)

### *New Standard*

ANSI/IIAR 1-2012, Definitions and Terminology Used in IIAR Standards (new standard): 5/16/2012

## UL (Underwriters Laboratories, Inc.)

### *New National Adoption*

ANSI/UL 61010-1-2012, Standard for Electrical Equipment For Measurement, Control, and Laboratory Use - Part 1: General Requirements (national adoption with modifications and revision of ANSI/UL 61010-1-2008): 5/11/2012

ANSI/UL 61010-1-2012a, Standard for Electrical Equipment for Measurement, Control, and Laboratory Use - Part 1: General Requirements (national adoption with modifications and revision of ANSI/UL 61010-1-2008): 5/11/2012

ANSI/UL 61010-2-030-2012, Standard for Electrical Equipment for Measurement, Control, and Laboratory Use - Part 2-030: Particular Requirements for Testing and Measuring Circuits (national adoption with modifications of IEC 61010-2-030): 5/11/2012

### *New Standard*

ANSI/UL 2344-2012, Standard for Safety for Material Lifts (new standard): 5/15/2012

ANSI/UL 2353-2012, Standard for Safety for Single- and Multi-Layer Insulated Winding Wire (new standard): 5/14/2012

ANSI/UL 2353-2012a, Standard for Safety for Single- and Multi-Layer Insulated Winding Wire (new standard): 5/15/2012

### *Revision*

ANSI/UL 555-2012, Standard for Safety for Fire Dampers (revision of ANSI/UL 555-2011): 5/15/2012

ANSI/UL 555S-2012, Standard for Safety for Smoke Dampers (revision of ANSI/UL 555S-2011): 5/15/2012

ANSI/UL 639-2012, Standard for Safety for Intrusion-Detection Units (revision of ANSI/UL 639-2007): 5/15/2012

ANSI/UL 639-2012a, Standard for Safety for Intrusion-Detection Units (revision of ANSI/UL 639-2007): 5/15/2012



# 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](http://www.NSSN.org), which is a database of standards information. Note that this database is not exhaustive.

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

## AAMI (Association for the Advancement of Medical Instrumentation)

**Office:** 4301 N Fairfax Drive  
Suite 301  
Arlington, VA 22203-1633

**Contact:** Jennifer Moyer

**Fax:** (703) 276-0793

**E-mail:** [jmoyer@aami.org](mailto:jmoyer@aami.org)

BSR/AAMI/ISO 14708-2-201x, Implants for surgery - Active implantable medical devices - Part 2: Cardiac pacemakers (identical national adoption of ISO 14708-2 (under development))

Stakeholders: Manufacturers, regulators, clinicians.

Project Need: This adoption will provide basic assurance of safety to both patients and users of pacemakers.

This document specifies requirements that are applicable to those active implantable medical devices intended to treat bradyarrhythmias.

## ACCA (Air Conditioning Contractors of America)

**Office:** 2800 Shirlington Road  
Suite 300  
Arlington, VA 22206

**Contact:** Dick Shaw

**Fax:** (703) 575-4449

**E-mail:** [shawddd@aol.com](mailto:shawddd@aol.com)

BSR/ACCA 14 QMref -201x, Quality Maintenance of Commercial Refrigeration Systems Utilizing Fluorocarbon Refrigerants (new standard)

Stakeholders: Building owners/managers, consumers, refrigeration contractors, installers, technicians and designers associated with medium- and low-temperature applications utilizing fluorocarbon refrigerants.

Project Need: Provide the Commercial Refrigeration Industry with quality assessment/maintenance guidelines for fluorocarbon charged commercial refrigeration systems of Medium and Low Temperature Applications.

A procedural checklist and processes for the inspection and assessment points of system mechanical components, piping, electrical, defrost, heat reclaim, controllers, etc. found in commercial refrigeration systems that require cleaning, inspection, testing, adjusting and/or replacing to confirm that the system(s) function safely, as designed and at the highest level of operating efficiency.

## ASCE (American Society of Civil Engineers)

**Office:** 1801 Alexander Bell Drive  
Reston, VA 20191

**Contact:** Leonard Kusek

**Fax:** 703-295-6361

**E-mail:** [lkusek@asce.org](mailto:lkusek@asce.org)

BSR/ASCE/EWRI 12-201x, Standard Guidelines for the Design of Urban Subsurface Drainage (new standard)

Stakeholders: Engineers worldwide who are responsible for the design of urban subsurface drainage, and those in public and private sectors who benefit from urban subsurface drainage.

Project Need: Project need is for state-of-the-art methods and corrections of methods currently found in the literature, all in a single document.

The intent of these standard guidelines is to present state-of-the-art design guidance for urban subsurface drainage in a logical order. The collection and conveyance of subsurface drainage waters are within the purview of these standard guidelines for applications such as airports, roads, and other transportation systems, as well as industrial, commercial, residential, and recreational areas. Incidental surface water is considered. These standard guidelines do not address agricultural drainage, landfills, recharge systems, detention ponds, conventional storm sewer design, or the use of injection systems.

BSR/ASCE/EWRI 13-201x, Standard Guidelines for the Installation of Urban Subsurface Drainage (new standard)

Stakeholders: Engineers and contractors responsible for the installation of urban subsurface drainage, and those in public and private sectors who benefit from urban subsurface drainage.

Project Need: Project need is for state-of-the-art methods and corrections of methods currently found in the literature, all in a single document.

The intent of these standard guidelines is to present state-of-the-art design guidance for urban subsurface drainage in a logical order. The collection and conveyance of subsurface drainage waters are within the purview of these standard guidelines for applications such as airports, roads, and other transportation systems, as well as industrial, commercial, residential, and recreational areas. Incidental surface water is considered. These standard guidelines do not address agricultural drainage, landfills, recharge systems, detention ponds, conventional storm sewer design, or the use of injection systems.

BSR/ASCE/EWRI 14-201x, Standard Guidelines for the Operation and Maintenance of Urban Subsurface Drainage (new standard)

Stakeholders: Those responsible for the operation and maintenance of urban subsurface drainage, and those in public and private sectors who benefit from urban subsurface drainage.

Project Need: Project need is for state-of-the-art methods and corrections of methods currently found in the literature, all in a single document.

The intent of these standard guidelines is to present state-of-the-art design guidance for urban subsurface drainage in a logical order. The collection and conveyance of subsurface drainage waters are within the purview of these standard guidelines for applications such as airports, roads, and other transportation systems, as well as industrial, commercial, residential, and recreational areas. Incidental surface water is considered. These standard guidelines do not address agricultural drainage, landfills, recharge systems, detention ponds, conventional storm sewer design, or the use of injection systems.

#### **ASSE (American Society of Sanitary Engineering)**

**Office:** 901 Canterbury Road, Suite A  
Westlake, OH 44145-1480

**Contact:** *Kenneth Van Wagnen*

**Fax:** (440) 835-3488

**E-mail:** ken@asse-plumbing.org

\* BSR/ASSE 1012-201x, Performance Requirements for Backflow Preventers with an Intermediate Atmospheric Vent (revision of ANSI/ASSE 1012-2009)

Stakeholders: Manufacturers, consumers.

Project Need: public health and safety

The devices covered by this standard are those that have functional capabilities for preventing both back-siphonage and back pressure and that can operate under continuous or intermittent pressure conditions. These devices have two (2) independently operating check valves separated by an intermediate chamber with a means for automatically venting it to the atmosphere and can be installed in the horizontal, vertical up or vertical down orientations. The check valves are force loaded to a normally closed position and the venting means is force loaded to a normally open position.

\* BSR/ASSE 1030-201x, Performance Requirements for Positive Pressure Reduction Devices for Sanitary Drainage Systems (revision of ANSI/ASSE 1030-2010)

Stakeholders: Manufacturers, consumers.

Project Need: public health and safety

The device consists of a variable volume reservoir contained within a ventilated rigid outer casing with an inlet connection by which the reservoir inflates when subject to positive pressure. In its inactive state, the flexible reservoir is deflated. Expansion only occurs in response to an increase in line pressure at the entrance to the device. This expansion provides a variable volume reservoir for air. The device connects to the drainage network via an airtight seal to prevent the diversion of airflow from entering the reservoir. As a result the reservoir becomes an integral part of the drainage network.

\* BSR/ASSE 1055-201x, Performance Requirements for Chemical Dispensing Systems (revision of ANSI/ASSE 1055-2009)

Stakeholders: Manufacturers, consumers.

Project Need: public health and safety

This standard applies to those devices classified as chemical dispensing systems having a self-contained means of backflow protection.

\* BSR/ASSE 1080-201x, Performance Requirements for Wall Hydrant with Backflow Protection (new standard)

Stakeholders: Manufacturers, consumers.

Project Need: public health and safety

The backflow protection shall include two (2) mechanisms:

- (1) an air inlet for preventing backsiphonage and
- (2) a check valve for preventing backpressure backflow.

BSR/ASSE PD20xx-201x, Plumbing Dictionary (new standard)

Stakeholders: Plumbing Trade.

Project Need: Standardization of definitions of terms commonly used in the plumbing industry - public health and safety.

It is the purpose of this book to be descriptive, not prescriptive; to describe, define, and explain; not to prescribe limitations or establish fixed and restrictive meanings; to record the words and combinations of words used in plumbing, and to provide definitions and meanings for these words and terms.

#### **ASTM (ASTM International)**

**Office:** 100 Barr Harbor Drive  
West Conshohocken, PA 19428-2959

**Contact:** *Jeff Richardson*

**Fax:** (610) 834-7067

**E-mail:** jrichard@astm.org

BSR/ASTM WK37583-201x, New Guide for Construction or Renovation of Native-soil Athletic Fields (new standard)

Stakeholders: Sports Equipment and Facilities Industry.

Project Need: Many athletic field constructions utilize high proportions of sand as a basis to produce high-performance to moderate-performance athletic fields. In many cases, the performance demands or the available budget do not warrant the construction of sand-based rootzone constructions

<http://www.astm.org/DATABASE.CART/WORKITEMS/WK37583.htm>

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

**Office:** 1200 G Street, NW  
Suite 500  
Washington, DC 20005

**Contact:** *Kerriane Conn*

**Fax:** (202) 347-7125

**E-mail:** kconn@atis.org

BSR ATIS 0300091-201x, Serialization Standard for Telecommunications Network Infrastructure Equipment (revision of ANSI ATIS 0300091-2007)

Stakeholders: Communications Industry.

Project Need: To provide a format and structure for assigning serial numbers to telecommunications infrastructure.

This standard provides a format and structure for assigning serial numbers to telecommunications infrastructure.

**AWS (American Welding Society)**

**Office:** 550 N.W. LeJeune Road  
Miami, FL 33126

**Contact:** Rosalinda O'Neill

**Fax:** (305) 443-5951

**E-mail:** roneill@aws.org

BSR/AWS A5.11/A5.11M-201x, Specification for Nickel and Nickel-Alloy Welding Electrodes for Shielded Metal Arc Welding (revision of ANSI/AWS A5.11/A5.11M-2010)

Stakeholders: Welding Industry.

Project Need: Adding new material

This specification prescribes the composition, dimensions, soundness, and properties of weld metal from more than 30 classifications of nickel and nickel-alloy covered electrodes. Major topics include general requirements, testing, manufacturing, identification, and packaging. A guide to using the specification is included in Annex A.

BSR/AWS A5.01M/A5.01:201x (ISO 14344:2002 MOD), Procurement Guidelines for Consumables - Welding and Allied Processes - Flux and Gas Shielded Electrical Welding Processes (revision of ANSI/AWS A5.01M/A5.01:2008 (ISO 14344:2002 MOD))

Stakeholders: Welding Industry.

Project Need: Adopting new ISO 14344:2010

This document provides a means by which the information needed for the procurement of welding consumables to a filler metal specification can be stated clearly, concisely, and completely. It includes a method by which the heat, lot, testing, and certification requirements that are essential to so many of today's welding applications can be specified in the procurement document.

BSR/AWS D14.3 /D14.3M-201x, Specification for the Welding of Earthmoving, Construction, and Agricultural Equipment (revision of ANSI/AWS D14.3/D14.3M-2010)

Stakeholders: Fabricators, engineers, inspectors, owners, architects, and welding personnel.

Project Need: Update and revise 2010 code with new information.

This specification provides standards for producing structural welds used in the manufacture and repair of earthmoving, construction, and agricultural equipment. Such equipment is defined as self-propelled, on- and off-highway machinery and associated implements. Manufacturer's responsibilities are presented as they relate to the welding practices that have been proven successful within the industry in the production of weldments on this equipment. Basic dimensional weld details are defined and interpreted for application throughout the document. Provisions are made to identify base metals used in these weldments.

BSR/AWS D14.5 /D14.5M-201x, Specification for Welding of Presses and Press Components (revision of ANSI/AWS D14.5/D14.5M-2009)

Stakeholders: Fabricators, engineers, inspectors, owners, architects, and welding personnel.

Project Need: Update and revise 2009 code with new information.

Requirements are presented for the design and fabrication of cyclically loaded press weldments, which includes the weld repair of new and existing components. Filler metals and weld procedure specifications are recommended for the applicable base metals that are limited to those consisting of carbon and low-alloy steels. Allowable unit stresses are provided for weld metal and base metal for various cyclically loaded joint designs. This specification does not address the fabrication or weld repair of pressure containing components such as hydraulic cylinders, air cylinders, or die cushions.

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BSR/AWWA B100-201x, Granular Filter Material (revision of ANSI/AWWA B100-2009)

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

Project Need: The purpose of this standard is to provide purchasers with a standard for purchasing and installing granular filter material (filter material) and is not a guide for filter design.

This standard describes gravel, high-density gravel, silica sand, high-density media, anthracite filter materials, and the placement of the materials in filters for water supply service application. ANSI/AWWA B604, Standard for Granular Activated Carbon, addresses use of GAC as a filter medium and as an adsorbent.

BSR/AWWA B102-201x, Manganese Greensand for Filters (revision of ANSI/AWWA B102-2010)

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

Project Need: The purpose of this standard is to provide the minimum requirements for manganese greensand filter media, including physical, chemical, packaging, shipping, and testing requirements.

This standard describes manganese greensand used in pressure and gravity filters to remove dissolved iron, manganese, radium, arsenic, and hydrogen sulfide. It discusses the placement, handling, preparation, and regeneration of manganese greensand media. Although manganese greensand filters frequently employ gravel and anthracite filter materials, they have been omitted from this standard with reference to the document ANSI/AWWA B100, Standard for Granular Filter Material, which covers these materials in detail.

BSR/AWWA B301-201x, Liquid Chlorine (revision of ANSI/AWWA B301-2010)

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

Project Need: The purpose of this standard is to provide the minimum requirements for liquid chlorine, including physical, chemical, sampling, testing, packaging, and shipping requirements.

This standard describes liquid chlorine for use in water, wastewater, and reclaimed water treatment.

BSR/AWWA B302-201x, Ammonium Sulfate (revision of ANSI/AWWA B302-2010)

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

Project Need: The purpose of this standard is to provide the minimum requirements for ammonium sulfate, including physical, chemical, sampling, packaging, shipping, and testing requirements.

This standard describes ammonium sulfate, (NH<sub>4</sub>)<sub>2</sub>SO<sub>4</sub>, for use in the treatment of potable water, wastewater, and reclaimed water.

BSR/AWWA B303-201x, Sodium Chlorite (revision of ANSI/AWWA B303-2010)

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

Project Need: The purpose of this standard is to provide purchasers, manufacturers, and suppliers with the minimum requirements for sodium chlorite, including physical, chemical, sampling, packaging, shipping, and testing requirements.

This standard describes sodium chlorite, in either solid (granular, flake, or powdered) or aqueous-solution form, for use in making chlorine dioxide for use in the treatment of potable water, wastewater, and reclaimed water. Sodium chlorite must be packaged, labeled, and registered according to the Federal Insecticide, Fungicide, and Rodenticide Act as administered by the US Environmental Protection Agency (USEPA).

BSR/AWWA B403-201x, Aluminum Sulfate - Liquid, Ground, or Lump (revision of ANSI/AWWA B403-2009)

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

Project Need: The purpose of this standard is to provide the minimum requirements for aluminum sulfate, including physical, chemical, sampling, testing, packaging, and shipping requirements.

This standard describes purified aluminum sulfate in liquid, ground, or lump form for use in water and wastewater treatment.

BSR/AWWA B408-201x, Liquid Polyaluminum Chloride (revision of ANSI/AWWA B408-2010)

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

Project Need: The purpose of this standard is to provide the minimum requirements for liquid PACl, including physical, chemical, sampling, testing, packaging, and shipping requirements.

This standard describes polyaluminum chloride (PACl) in aqueous (liquid) form for use in the treatment of potable water, wastewater, and reuse or reclaimed water.

BSR/AWWA B451-201x, Poly(Diallyldimethylammonium Chloride) (revision of ANSI/AWWA B451-2010)

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

Project Need: The purpose of this standard is to provide the minimum requirements for polyDADMAC products, including physical, chemical, packaging, shipping, and testing requirements, and to provide the means of developing requirements for specific polyDADMAC products.

This standard describes poly(diallyldimethylammonium chloride) for use in water supply service applications and wastewater service applications.

BSR/AWWA B511-201x, Potassium Hydroxide (revision of ANSI/AWWA B511-2010)

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

Project Need: The purpose of this standard is to provide the minimum requirements for potassium hydroxide, including physical, chemical, sampling, packaging, shipping, and testing requirements.

This standard describes the use of potassium hydroxide (KOH), dry and liquid, for use in the treatment of potable, wastewater, and reuse or reclaimed water.

BSR/AWWA B550-201x, Calcium Chloride (revision of ANSI/AWWA B550-2010)

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

Project Need: The purpose of this standard is to provide the minimum requirements for calcium chloride, including physical, chemical, sampling, packaging, and shipping requirements.

This standard describes calcium chloride, CaCl<sub>2</sub>, in powder, pellet, granule, flake, or briquette form for use in the treatment of potable water, wastewater, and reuse or reclaimed water.

BSR/AWWA B603-201x, Permanganates (revision of ANSI/AWWA B603-2010)

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

Project Need: The purpose of this standard is to provide the minimum requirements for dry potassium permanganate crystals and liquid sodium permanganate solutions, including physical, chemical, sampling, testing, packaging, and shipping requirements.

This standard describes both dry potassium permanganate (KMnO<sub>4</sub>) crystals, CAS No. 7722-64-7, as well as liquid sodium permanganate (NaMnO<sub>4</sub>) solutions, CAS No. 10101-50-5, for use in the treatment of potable and reuse or reclaimed water and wastewater.

BSR/AWWA C215-201x, Extruded Polyolefin Coatings for the Exterior of Steel Water Pipelines (revision of ANSI/AWWA C215-2010)

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

Project Need: The purpose of this standard is to provide purchasers, manufacturers, and constructors with the minimum requirements for extruded polyolefin coatings for steel water pipe, including material, application, inspection, testing, marking, handling, and packaging requirements.

This standard describes the materials, systems, and application requirements for shop-applied, extruded polyolefin coatings for the exterior of steel water pipe up to 144 in. (3,650 mm) diameter.

BSR/AWWA C217-201x, Petrolatum and Petroleum Wax Tape Coatings for the Exterior of Connections and Fittings for Steel Water Pipelines (revision of ANSI/AWWA C217-2009)

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

Project Need: The purpose of this standard is to provide purchasers, manufacturers, and constructors with the minimum performance requirements for cold-applied petrolatum tape and petroleum wax tape coatings, including material, application, inspection, testing, marking, and packaging requirements.

This standard establishes minimum requirements for cold-applied petrolatum tape and petroleum wax tape coatings used on the exterior of steel water pipelines. This standard describes exterior coatings that consist of cold-applied petrolatum or petroleum wax primer, petrolatum or petroleum wax saturated tape coatings, and their applications to special sections, connections, and fittings to be used with buried, submerged, and aboveground steel water pipelines.

BSR/AWWA C520-201x, Knife Gate Valves, Sizes 2 In. (50 mm) Through 96 In. (2,400 mm) (revision of ANSI/AWWA C520-2010)

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

Project Need: The purpose of this standard is to provide minimum requirements for stainless-steel and ductile-iron body knife gate valves with resilient and metal seats, including tapping knife gate valves, for use in water, wastewater, and reclaimed water systems, including materials, design, testing, rejection, marking, and shipping.

This standard describes bonneted, bonnetless and one- and two-piece fabricated stainless-steel and cast ductile-iron body knife gate valves with resilient or metal seats, including tapping knife gate valves, for use in water, wastewater, and reclaimed water systems with pH range from 6 to 12 and a temperature range from 33 F to 125 F (0.6 C to 52 C). The minimum design pressure shall be 150 psig (1,034 kPa) for nominal sizes 2 in. to 24 in. (50 mm-600 mm), and the minimum design pressure for nominal sizes 30 in. to 96 in. minimum (750 mm-2,400 mm) shall be 25 psig (172 kPa), 75 psig (517 kPa), and 150 psig (1,034 kPa).

BSR/AWWA C600-201x, Installation of Ductile-Iron Mains and Their Appurtenances (revision of ANSI/AWWA C600-2010)

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

Project Need: The purpose of this standard is to provide the minimum requirements for the installation of ductile-iron potable water, wastewater, and reclaimed water mains and their appurtenances, including materials, dimensions, tolerances, and testing procedures.

This standard describes installation procedures for ductile-iron mains and their appurtenances for potable water, wastewater, and reclaimed water.

BSR/AWWA C655-201x, Field Dechlorination (revision of ANSI/AWWA C655-2009)

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

Project Need: The purpose of this standard is to define the minimum procedures for the dechlorination of chlorinated or chloraminated water being discharged, including regulations, discharge site preparation, sampling and testing of discharge water, various methods of dechlorination, and dechlorination chemicals.

This standard describes procedures, materials, and requirements for the dechlorination of chlorinated or chloraminated water discharges.

BSR/AWWA C670-201x, Online Chlorine Analyzer Operation and Maintenance (revision of ANSI/AWWA C670-2009)

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

Project Need: The purpose of this standard is to provide the minimum requirements for online chlorine analyzer O&M, sampling requirements, accuracy and precision testing requirements, range requirements, and methods of calibration and trouble-shooting.

This standard describes online chlorine analyzer operation and maintenance (O&M) when the online chlorine analyzer is used in the treatment and monitoring of potable water, reclaimed water, or wastewater.

BSR/AWWA C702-201x, Cold-Water Meters - Compound Type (revision of ANSI/AWWA C702-2010)

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

Project Need: The purpose of this standard is to provide the minimum requirements for compound-type cold-water meters, including materials and design.

This standard describes the various types and classes of cold-water compound-type meters in sizes 2 in. (50 mm) through 8 in. (200 mm), and the materials and workmanship used in their fabrication.

Compound meters shall consist of a combination of a turbine-type, mainline meter for measuring high rates of flow and a bypass meter of an appropriate size for measuring low rates of flow. The compound meter shall have an automatic valve mechanism for diverting low rates of flow through the bypass meter.

BSR/AWWA C706-201x, Direct-Reading, Remote-Registration Systems for Cold-Water Meters (revision of ANSI/AWWA C706-2010)

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

Project Need: The purpose of this standard is to provide the minimum requirements for direct-reading, remote-registration systems for cold-water meters, including fabrication and assembly.

This standard covers direct-reading, remote-registration systems for use on cold-water meters for water utility customer service and the materials and workmanship employed in the fabrication and assembly of these systems.

BSR/AWWA C707-201x, Encoder-Type Remote-Registration Systems for Cold-Water Meters (revision of ANSI/AWWA C707-2010)

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

Project Need: The purpose of this standard is to provide the minimum requirements for encoder-type remote-registration systems for cold-water meters, including fabrication and assembly.

This standard covers encoder-type remote-registration systems for use on cold-water meters for water-utility customer service, particularly, the materials and workmanship employed in the fabrication and assembly of the on-meter registers.

BSR/AWWA C712-201x, Cold-Water Meters - Singlejet Type (revision of ANSI/AWWA C712-2010)

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

Project Need: The purpose of this standard is to provide the minimum requirements for cold-water singlejet meters, including material and design.

This standard describes the various types and classes of cold-water, singlejet meters in sizes 5/8 in. (15 mm) through 6 in. (150 mm) for water utilities' customer service and the materials and workmanship employed in their fabrication. These meters register by recording the revolutions of a rotor powered by the force of flowing water striking its blades.

BSR/AWWA C713-201x, Cold-Water Meters - Fluidic-Oscillator Type (revision of ANSI/AWWA C713-2010)

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

Project Need: The purpose of this standard is to provide the minimum requirements for cold-water meters - fluidic-oscillator type, including material and design.

This standard describes cold-water fluidic-oscillator meters with brass main cases in sizes 1/2 in. (13 mm) through 2 in. (50 mm) and the materials and workmanship employed in their fabrication. The basis for volume measurement is a transducer element that senses and utilizes fluidic oscillation rather than a moving measurement element, as required in traditional cold-water volumetric meters.

BSR/AWWA C750-201x, Transit-Time Flowmeters in Full Closed Conduits (revision of ANSI/AWWA C750-2010)

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

Project Need: The purpose of this standard is to provide purchasers, manufacturers, and suppliers with the minimum requirements for transit-time flowmeters, including components, performance, calibration, and verification.

This standard describes transit-time ultrasonic Flowmeters for water supply service application in pipes running full. An ultrasonic flowmeter is a meter that uses acoustic energy signals to measure liquid velocity. There are currently two distinct types of ultrasonic flowmeters available: Doppler-effect and transit-time.

BSR/AWWA C105/A21.5-201x, Polyethylene Encasement for Ductile-Iron Pipe Systems (revision of ANSI/AWWA C105/A21.5-2010)

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

Project Need: The purpose of this standard is to provide the minimum requirements for polyethylene sheet and tubes to be used for external corrosion protection of buried ductile-iron pipe, fittings, and appurtenances.

This standard describes materials and installation procedures for polyethylene encasement to be applied to underground installations of ductile-iron pipe. This standard also may be used for polyethylene encasement of fittings, valves, and other appurtenances to ductile-iron pipe systems.

BSR/AWWA C116/A21.16-201x, Protection Fusion-Bonded Epoxy Coatings for the Interior and Exterior Surfaces of Ductile-Iron and Gray-Iron Fittings. (revision of ANSI/AWWA C116/A21.16-2009)

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

Project Need: The purpose of this standard is to provide purchasers, manufacturers, and applicators with the minimum requirements for fusion-bonded epoxy coatings and linings for the interior and exterior of fittings.

This standard describes protective fusion-bonded epoxy coatings for the interior and exterior surfaces of ductile-iron and gray-iron fittings used for water, wastewater, and reclaimed water systems. The standard describes the material, application, and performance requirements for these coatings. This standard does not describe coatings agreed on between the purchaser and the manufacturer for special service conditions, such as saltwater, sewers, acid, high temperature, and so forth.

BSR/AWWA C151/A21.51-201x, Ductile-Iron Pipe, Centrifugally Cast (revision of ANSI/AWWA C151/A21.51-2009)

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

Project Need: The purpose of this standard is to provide the minimum requirements for ductile-iron pipe, centrifugally cast, for water, wastewater, and reclaimed water systems.

This standard describes 3-in. through 64-in. (76-mm through 1,600-mm) ductile-iron pipe, centrifugally cast, for water, wastewater, and reclaimed water systems with push-on joints or mechanical joints. Requirements for pipe according to this standard are discussed in the text and are shown in Tables 1 through 7 and Figures 1, 2, and 3. This standard may be used for pipe with other types of joints as may be agreed on at the time of purchase.

BSR/AWWA D104-201x, Automatically Controlled, Impressed-Current Cathodic Protection for the Interior Submerged Surfaces of Steel Water Storage Tanks (revision of ANSI/AWWA D104-2010)

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

Project Need: The purpose of this standard is to provide the minimum requirements for automatically controlled, impressed-current cathodic protection for the interior submerged surfaces of steel water storage tanks, including design, system components, quality of work, installation, operation, and maintenance.

This standard describes automatically controlled, impressed-current cathodic protection systems intended to minimize corrosion of interior submerged surfaces of steel water storage tanks and 30-in. (750-mm) diameter and larger wet risers of elevated tanks.

BSR/AWWA D106-201x, Sacrificial Anode Cathodic Protection Systems for the Interior Submerged Surfaces of Steel Water Storage Tanks (revision of ANSI/AWWA D106-2010)

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

Project Need: The purpose of this standard is to provide the minimum requirements for sacrificial anode cathodic protection systems for the interior submerged surfaces of steel water storage tanks, including design, system components, quality of work, installation, operation, and maintenance.

This standard describes sacrificial anode cathodic protection systems intended to minimize corrosion of interior submerged surfaces of steel water storage tanks. This standard does not describe automatically or manually controlled impressed current systems.

BSR/AWWA D107-201x, Composite Elevated Tanks for Water Storage (revision of ANSI/AWWA D107-2010)

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

Project Need: The purpose of this standard is to provide the minimum requirements for the design, construction, inspection, and testing of composite elevated tanks used for water storage in a water distribution system.

This standard describes the design, construction, inspection, and testing of composite elevated tanks that use a welded steel tank for watertight containment and a single pedestal concrete support structure. Requirements for the steel tank, concrete support structure, foundation, and accessories are included. Site selection and procurement; tank sizing; postcommissioning inspection and maintenance; and the design, operation, and control of the water distribution system that connects to the composite elevated tank are beyond the scope of this standard.

**BSR/AWWA D108-201x, Aluminum Dome Roofs for Water Storage Facilities (revision of ANSI/AWWA D108-2010)**

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

Project Need: The purpose of this standard is to provide purchasers, manufactures, and suppliers with the minimum requirements for aluminum domes for water storage tanks, including design, system components, and workmanship and installation.

This standard establishes minimum criteria for the design, fabrication, and erection of structurally supported aluminum dome roofs. Aluminum dome roofs can be used on any size tank erected in accordance with AWWA standards. When this standard is specified, in the case of conflict between this standard and any other standard, the requirements of this standard shall govern.

**BSR/AWWA D120-201x, Thermosetting Fiberglass-Reinforced Plastic Tanks (revision of ANSI/AWWA D120-2009)**

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

Project Need: The purpose of this standard is to purchasers, manufacturers, and suppliers with the minimum requirements for thermosetting FRP tanks, including material and design.

This standard describes the composition, performance requirements, construction practices and workmanship, design, and methods of testing thermosetting fiberglass-reinforced plastic (FRP) tanks for the storage of water or other liquids used in water supply service.

**BSR/AWWA G200-201x, Distribution Systems Operation and Management (revision of ANSI/AWWA G200-2009)**

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

Project Need: The purpose of this standard is to define the critical requirements for the operation and management of water distribution systems, including maintaining water quality, system management programs, and operation and maintenance of facilities.

This standard describes the critical requirements for the effective operation and management of drinking water distribution systems.

**BSR/AWWA G400-201x, Utility Management System (revision of ANSI/AWWA G400-2009)**

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

Project Need: The purpose of this standard is to define the minimum requirements for establishing a utility management system for a water or wastewater utility that will promote continuous improvement.

This standard covers the essential requirements for an effective utility management system.

**BSR/AWWA G410-201x, Business Practices for Operation and Management (revision of ANSI/AWWA G410-2009)**

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

Project Need: The purpose of this standard is to provide the minimum requirements for automatically controlled, impressed-current cathodic protection for the interior submerged surfaces of steel water storage tanks, including design, system components, quality of work, installation, operation, and maintenance.

The purpose of this standard is to establish criteria for how water and wastewater utilities develop, measure the performance of, and improve the strategic planning, resource management, and support functions necessary to create and sustain a high-performing organization. This standard describes the framework that successful utilities should use in developing and improving the performance of these business practices.

**BSR/AWWA G420-201x, Communications and Customer Relations (revision of ANSI/AWWA G420-2009)**

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

Project Need: The purpose of this standard is to define the minimum requirements for establishing an effective communications and customer relations plan for a water and/or wastewater utility. An effective plan enhances the general public perception of the utility through frequent and focused communications with utility customers and stakeholders.

This standard covers the essential requirements to effectively manage communications and customer relations.

**IAPMO (Z) (International Association of Plumbing & Mechanical Officials)**

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**BSR/IAPMO S3002-201x, Solar System Component Testing (new standard)**

Stakeholders: Producers, users, general interest.

Project Need: To characterize the performance of solar systems by means of computer modeling, the operational characteristics of individual system components must be known. A standardized methodology is needed for the measurement and use of data derived from tests which quantify component operational characteristics based on a number of dynamic operating parameters which include temperature, pressure, heat loss, heat transfer, electricity consumption, flow rate, fluid density, irradiance and time.

This standard will establish measurement criteria required to define the operational characteristics of individual components of solar systems (e.g., storage tanks, heat exchangers, pumps, electronic controls, sensing devices, valves, and insulation). This standard will establish protocols for the acquisition and use of measured operational data within the context of a computer software-based performance modeling regime, allowing for the energy balance in a solar system to be accurately modeled and predicted.

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**INCITS/ISO/IEC 11770-1:2010, Information technology - Security techniques - Key management - Part 1:Framework (identical national adoption and revision of INCITS/ISO/IEC 11770-1-2009)**

Stakeholders: ICT Industry.

Project Need: Adoption of this International Standard will be beneficial to the ICT industry.

ISO/IEC 11770-1:2010 defines a general model of key management that is independent of the use of any particular cryptographic algorithm. However, certain key distribution mechanisms can depend on particular algorithm properties, for example, properties of asymmetric algorithms. ISO/IEC 11770-1:2010 contains the material required for a basic understanding of subsequent parts. Examples of the use of key management mechanisms are included in ISO 11568. If non-repudiation is required for key management, ISO/IEC 13888 is applicable.

INCITS/ISO/IEC 15408-2:2008, Information technology - Security techniques - Evaluation criteria for IT security - Part 2: Security functional components (identical national adoption and revision of INCITS/ISO/IEC 15408-2-2008)

Stakeholders: ICT Industry.

Project Need: Adoption of this International Standard will be beneficial to the ICT Industry.

ISO/IEC 15408-2:2008 defines the content and presentation of the security functional requirements to be assessed in a security evaluation using ISO/IEC 15408. It contains a comprehensive catalogue of predefined security functional components that will meet most common security needs of the marketplace. These are organized using a hierarchical structure of classes, families and components, and supported by comprehensive user notes.

INCITS/ISO/IEC 18045:2008, Information technology - Security techniques - Methodology for IT security evaluation (identical national adoption and revision of INCITS/ISO/IEC 18045-2008)

Stakeholders: ICT Industry.

Project Need: Adoption of this International Standard will be beneficial to the ICT Industry.

This International Standard is a companion document to the evaluation criteria for IT security defined in ISO/IEC 15408. It defines the minimum actions to be performed by an evaluator in order to conduct an ISO/IEC 15408 evaluation, using the criteria and evaluation evidence defined in ISO/IEC 15408. This International Standard does not define evaluator actions for certain high assurance ISO/IEC 15408 components, where there is as yet no generally agreed guidance.

#### **TAPPI (Technical Association of the Pulp and Paper Industry)**

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BSR/TAPPI T 459 om-201x, Surface strength of paper (wax pick test) (new standard)

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

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

This method, applicable to uncoated and coated papers, is designed to measure the surface strength of paper or its resistance to picking. It is not applicable to loosely felted papers such as blotters or roofing felts nor to some coated papers containing thermoplastic resins in the coating adhesive.

BSR/TAPPI T 572 om-201x, Accelerated pollutant aging of printing and writing paper by pollution chamber exposure apparatus (new standard)

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

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

This standard practice describes a laboratory procedure for the exposure of printing and writing paper to the common atmospheric pollutant gas nitrogen dioxide at elevated levels of concentration to permit accelerated aging of such paper.

#### **TIA (Telecommunications Industry Association)**

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BSR/TIA 102.CAAA-D-201x, Digital C4FM/CQPSK Transceiver Measurement Methods (revision and redesignation of ANSI/TIA 102.CAAA-C-2008)

Stakeholders: Public Safety Radio Users.

Project Need: Provide updates for an existing standard.

Upgrade of TIA-102.CAAA-C to correct typographical errors and to incorporate TIA-102.CAAA-C-1 Addendum. Also change test equipment requirements and measurement methods for receiver adjacent channel rejection and delay spread capability. Also, add test for receiver blocking.



# American National Standards Maintained Under Continuous Maintenance

The ANSI Essential Requirements: Due Process Requirements for American National Standards provide 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)
- AGRSS, Inc. (Automotive Glass Replacement Safety Standards Committee, Inc.)
- 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)
- GEIA (Greenguard Environmental Institute)
- HL7 (Health Level Seven)
- 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)
- TIA (Telecommunications Industry Association)
- UL (Underwriters Laboratories, Inc.)

To obtain additional information with regard to these standards, such as contact information at the ANSI accredited standards developer, please visit ANSI Online at [www.ansi.org](http://www.ansi.org), select Internet Resources, click on "Standards Information," and see "American National Standards Maintained Under Continuous Maintenance". This information is also available directly at [www.ansi.org/publicreview](http://www.ansi.org/publicreview).

Alternatively, you may contact the Procedures & Standards Administration Department (PSA) at [psa@ansi.org](mailto: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](mailto:standact@ansi.org).

|  |  |   |   |
|--|--|---|---|
| <p><b>AAMI</b><br/>Association for the Advancement of<br/>Medical Instrumentation<br/>4301 N Fairfax Drive<br/>Suite 301<br/>Arlington, VA 22203-1633<br/>Phone: (703) 253-8274<br/>Fax: (703) 276-0793<br/>Web: <a href="http://www.aami.org">www.aami.org</a></p>                | <p><b>ASCE</b><br/>American Society of Civil Engineers<br/>1801 Alexander Bell Drive<br/>Reston, VA 20191<br/>Phone: 703-295-6176<br/>Fax: 703-295-6361<br/>Web: <a href="http://www.asce.org">www.asce.org</a></p>  | <p><b>AWS</b><br/>American Welding Society<br/>550 N.W. LeJeune Road<br/>Miami, FL 33126<br/>Phone: (305) 443-9353<br/>Fax: (305) 443-5951<br/>Web: <a href="http://www.aws.org">www.aws.org</a></p>  | <p><b>MedBiq</b><br/>MedBiquitous Consortium<br/>5801 Smith Avenue, Davis 3110C<br/>Baltimore, MD 21202<br/>Phone: (410) 735-6142<br/>Fax: (410) 735-4660<br/>Web: <a href="http://www.medbiq.org">www.medbiq.org</a></p>                           |
| <p><b>ABMA (ASC B3)</b><br/>American Bearing Manufacturers<br/>Association<br/>2025 M Street, NW<br/>Suite 800<br/>Washington, DC 20036-3309<br/>Phone: (919) 481-2852<br/>Fax: (919) 827-4587<br/>Web: <a href="http://www.americanbearings.org">www.americanbearings.org</a></p> | <p><b>ASHRAE</b><br/>American Society of Heating,<br/>Refrigerating and Air-Conditioning<br/>Engineers, Inc.<br/>1791 Tullie Circle NE<br/>Atlanta, GA 30329<br/>Phone: (404) 636-8400<br/>Fax: (678) 539-2138<br/>Web: <a href="http://www.ashrae.org">www.ashrae.org</a></p> | <p><b>AWWA</b><br/>American Water Works Association<br/>6666 W. Quincy Ave.<br/>Denver, CO 80235<br/>Phone: (303) 347-6178<br/>Fax: (303) 795-6303<br/>Web: <a href="http://www.awwa.org">www.awwa.org</a></p>  | <p><b>NISO</b><br/>National Information Standards<br/>Organization<br/>One North Charles Street, Suite 1905<br/>Baltimore, MD 21201<br/>Phone: (301) 654-2512<br/>Fax: (410) 685-5278<br/>Web: <a href="http://www.niso.org">www.niso.org</a></p>   |
| <p><b>ACCA</b><br/>Air Conditioning Contractors of<br/>America<br/>2800 Shirlington Road<br/>Suite 300<br/>Arlington, VA 22206<br/>Phone: (202) 251-3835<br/>Fax: (703) 575-4449<br/>Web: <a href="http://www.acca.org">www.acca.org</a></p>                                       | <p><b>ASME</b><br/>American Society of Mechanical<br/>Engineers<br/>3 Park Avenue, 20th Floor (20N2)<br/>New York, NY 10016<br/>Phone: (212) 591-8521<br/>Fax: (212) 591-8501<br/>Web: <a href="http://www.asme.org">www.asme.org</a></p>                                      | <p><b>CPA</b><br/>Composite Panel Association<br/>19465 Deerfield Ave, Suite 306<br/>Leesburg, VA 20176<br/>Phone: (703) 724-1128<br/>Fax: (703) 724-1588</p>   | <p><b>NSF</b><br/>NSF International<br/>P.O. Box 130140<br/>789 N. Dixboro Road<br/>Ann Arbor, MI 48105<br/>Phone: (734) 827-6806<br/>Fax: (734) 827-6831<br/>Web: <a href="http://www.nsf.org">www.nsf.org</a></p>                                 |
| <p><b>ADA (Organization)</b><br/>American Dental Association<br/>211 East Chicago Avenue<br/>Chicago, IL 60611-2678<br/>Phone: (312) 440-2509<br/>Fax: (312) 440-2529<br/>Web: <a href="http://www.ada.org">www.ada.org</a></p>  | <p><b>ASQ (ASC Z1)</b><br/>American Society for Quality<br/>600 N Plankinton Ave<br/>Milwaukee, WI 53201<br/>Phone: (414) 272-8575<br/>Fax: (414) 272-1734<br/>Web: <a href="http://www.asq.org">www.asq.org</a></p>   | <p><b>HL7</b><br/>Health Level Seven<br/>3300 Washtenaw Avenue<br/>Suite 227<br/>Ann Arbor, MI 48104<br/>Phone: (734) 677-7777 Ext 104<br/>Fax: (734) 677-6622<br/>Web: <a href="http://www.hl7.org">www.hl7.org</a></p>  | <p><b>TAPPI</b><br/>Technical Association of the Pulp and<br/>Paper Industry<br/>15 Technology Parkway South<br/>Norcross, GA 30092<br/>Phone: (770) 209-7276<br/>Fax: (770) 446-6947<br/>Web: <a href="http://www.tappi.org">www.tappi.org</a></p> |
| <p><b>APA</b><br/>APA - The Engineered Wood<br/>Association<br/>7011 South 19th Street<br/>Tacoma, WA 98466<br/>Phone: (253) 620-7467<br/>Fax: (253) 565-7265<br/>Web: <a href="http://www.apawood.org">www.apawood.org</a></p>  | <p><b>ASSE (Organization)</b><br/>American Society of Sanitary<br/>Engineering<br/>901 Canterbury Road, Suite A<br/>Westlake, OH 44145-1480<br/>Phone: (440) 835-3040<br/>Fax: (440) 835-3488<br/>Web: <a href="http://www.asse-plumbing.org">www.asse-plumbing.org</a></p>    | <p><b>IAPMO (Z)</b><br/>International Association of Plumbing<br/>&amp; Mechanical Officials<br/>5001 East Philadelphia Street<br/>Ontario, CA 91761-2816<br/>Phone: (909) 472-4106<br/>Fax: (909) 472-4150<br/>Web: <a href="http://www.iapmort.org">www.iapmort.org</a></p> | <p><b>TechAmerica</b><br/>TechAmerica<br/>1401 Wilson Boulevard<br/>Suite 1100<br/>Arlington, VA 20004<br/>Phone: (703) 284-5355<br/>Fax: (703) 525-2279<br/>Web: <a href="http://www.techamerica.org">www.techamerica.org</a></p>                  |
| <p><b>ASABE</b><br/>American Society of Agricultural and<br/>Biological Engineers<br/>2950 Niles Road<br/>St Joseph, MI 49085<br/>Phone: (269) 932-7015<br/>Fax: (269) 429-3852<br/>Web: <a href="http://www.asabe.org">www.asabe.org</a></p>                                      | <p><b>ASTM</b><br/>ASTM International<br/>100 Barr Harbor Drive<br/>West Conshohocken, PA 19428-2959<br/>Phone: (610) 832-9743<br/>Fax: (610) 834-3655<br/>Web: <a href="http://www.astm.org">www.astm.org</a></p>   | <p><b>IIAR</b><br/>International Institute of Ammonia<br/>Refrigeration<br/>1001 N. Fairfax Street, Suite 503<br/>Alexandria, VA 22314<br/>Phone: (703) 312-4200<br/>Fax: (703) 312-0065<br/>Web: <a href="http://www.iiar.org">www.iiar.org</a></p>                          | <p><b>TIA</b><br/>Telecommunications Industry<br/>Association<br/>2500 Wilson Boulevard, Suite 300<br/>Arlington, VA 22201<br/>Phone: (703) 907-7743<br/>Web: <a href="http://www.tiaonline.org">www.tiaonline.org</a></p>                          |
| <p><b>ASB (ASC Z50)</b><br/>American Society of Baking<br/>243 Reade Drive<br/>Cogan Station, PA 17728<br/>Phone: (570) 494-0624<br/>Fax: (570) 494-0603<br/>Web: <a href="http://www.asbe.org">www.asbe.org</a></p>   | <p><b>ATIS</b><br/>Alliance for Telecommunications<br/>Industry Solutions<br/>1200 G Street, NW<br/>Suite 500<br/>Washington, DC 20005<br/>Phone: (202) 434-8841<br/>Fax: (202) 347-7125<br/>Web: <a href="http://www.atis.org">www.atis.org</a></p>                           | <p><b>ISA (Organization)</b><br/>ISA-The Instrumentation, Systems,<br/>and Automation Society<br/>67 Alexander Drive<br/>Research Triangle Park, NC 27709<br/>Phone: (919) 990-9228<br/>Fax: (919) 549-8288<br/>Web: <a href="http://www.isa.org">www.isa.org</a></p>         | <p><b>UL</b><br/>Underwriters Laboratories, Inc.<br/>333 Pfingsten Road<br/>Northbrook, IL 60062-2096<br/>Phone: (847) 664-3038<br/>Fax: (847) 664-3038<br/>Web: <a href="http://www.ul.com/">www.ul.com/</a></p>                                   |
| <p><b>AWWA</b><br/>American Water Works Association<br/>6666 W. Quincy Ave.<br/>Denver, CO 80235<br/>Phone: (303) 347-6178<br/>Fax: (303) 795-6303<br/>Web: <a href="http://www.awwa.org">www.awwa.org</a></p>   | <p><b>CPA</b><br/>Composite Panel Association<br/>19465 Deerfield Ave, Suite 306<br/>Leesburg, VA 20176<br/>Phone: (703) 724-1128<br/>Fax: (703) 724-1588</p>  | <p><b>ITI (INCITS)</b><br/>InterNational Committee for<br/>Information Technology Standards<br/>1101 K Street NW, Suite 610<br/>Washington, DC 20005<br/>Phone: 202-626-5741<br/>Fax: 202-638-4922<br/>Web: <a href="http://www.incits.org">www.incits.org</a></p>            | <p><b>WDMA</b><br/>Window and Door Manufacturers<br/>Association<br/>401 N. Michigan Ave, Suite 2200<br/>Chicago, IL 60611<br/>Phone: (312) 673-5891<br/>Web: <a href="http://www.nwwda.org">www.nwwda.org</a></p>                                  |



# ISO Draft International Standards

This section lists proposed standards that the International Organization for Standardization (ISO) is 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 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 Karen Hughes, at ANSI's New York offices (isot@ansi.org). The final date for offering comments is listed after each draft.

## Ordering Instructions

**ISO Drafts can be made available by contacting ANSI's Customer Service department. Please e-mail your request for an ISO Draft to Customer Service at [sales@ansi.org](mailto: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.**

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### **ACOUSTICS (TC 43)**

ISO/DIS 12999-1, Acoustics - Determination and application of measurement uncertainties in building acoustics - Part 1: Sound insulation - 8/18/2012, \$71.00

### **CRANES (TC 96)**

ISO/DIS 17440, Cranes - General Design - Limit states and proof of competence of forged steel hooks - 8/21/2012, \$146.00

### **EQUIPMENT FOR FIRE PROTECTION AND FIRE FIGHTING (TC 21)**

ISO/DIS 6182-10, Fire protection - Automatic sprinkler systems - Part 10: Requirements and test methods for domestic sprinklers - 8/16/2012, \$125.00

### **INTERNAL COMBUSTION ENGINES (TC 70)**

ISO/DIS 15619, Reciprocating internal combustion engines - Measurement method for exhaust silencers - Sound power level of exhaust noise and insertion loss using sound pressure and power loss ratio - 8/17/2012, \$88.00

### **LIFTS, ESCALATORS, PASSENGER CONVEYORS (TC 178)**

ISO/DIS 22559-1, Safety requirements for lifts (elevators) - Part 1: Global essential safety requirements (GESRs) - 8/16/2012, \$155.00

### **MACHINE TOOLS (TC 39)**

ISO/DIS 14955-1, Machine tools - Environmental evaluation of machine tools - Part 1: Design methodology for energy-efficient machine tools - 8/1/2012, \$125.00

### **MECHANICAL CONTRACEPTIVES (TC 157)**

ISO/DIS 4074, Natural rubber latex male condoms - Requirements and test methods - 8/18/2012, \$125.00

### **NUCLEAR ENERGY (TC 85)**

ISO/DIS 12749-2, Nuclear energy, nuclear technologies, and radiological protection - Vocabulary - Part 2: Radiological protection - 8/21/2012, \$107.00

### **PLASTICS PIPES, FITTINGS AND VALVES FOR THE TRANSPORT OF FLUIDS (TC 138)**

ISO/DIS 11297-1, Plastics piping systems for renovation of underground drainage and sewerage networks under pressure - Part 1: General - 8/18/2012, \$71.00

ISO/DIS 11297-3, Plastics piping systems for renovation of underground drainage and sewerage networks under pressure - Part 3: Lining with close-fit pipes - 8/18/2012, \$67.00

### **QUALITY MANAGEMENT AND QUALITY ASSURANCE (TC 176)**

ISO/DIS 10008, Quality Management - Customer satisfaction - Guidelines for business-to-consumer electronic commerce transactions - 8/19/2012, \$102.00

### **SOIL QUALITY (TC 190)**

ISO/DIS 13876, Soil quality - Determination of polychlorinated biphenyls (PCB) by gas chromatography with mass selective detection (GC-MS) and gas chromatography with electron-capture detection (GC-ECD) - 8/21/2012, \$98.00

### **SURFACE CHEMICAL ANALYSIS (TC 201)**

ISO/DIS 16531, Surface chemical analysis - Depth profiling - Methods for ion beam alignment and the associated measurement of current or current density for depth profiling in AES and XPS - 8/15/2012, \$67.00

### **TRANSPORT INFORMATION AND CONTROL SYSTEMS (TC 204)**

ISO/DIS 15638-7, Intelligent transport systems - Framework for collaborative Telematics Applications for Regulated commercial freight Vehicles (TARV) - Part 7: Other applications - 8/16/2012, \$112.00

### **ISO/IEC JTC 1, Information Technology**

ISO/IEC DIS 20005, Information technology - Sensor networks - Services and interfaces supporting collaborative information processing in intelligent sensor networks - 8/16/2012, \$119.00

ISO/IEC FDIS 13818-2, Information technology - Generic coding of moving pictures and associated audio information: Video - Part 2: Amendment 1: Frame packing arrangement signalling for quincunx pattern - 8/15/2012, \$203.00

ISO/IEC DIS 24769-2, Information technology - Real-time locating system (RTLS) device conformance test methods - Part 2: Test methods for air interface communication at 2,4 GHz - 8/16/2012, FREE

ISO/IEC DIS 29182-1, Information technology - Sensor networks: Sensor network reference architecture (SNRA) - Part 1: General overview and requirements - 8/16/2012, \$46.00

### **ROAD VEHICLES (TC 22)**

ISO/IEC CD 15118-2, Road vehicles - Vehicle to grid communication interface - Part 2: Network and application protocol requirements - 8/19/2012, \$215.00



# Newly Published ISO Standards

Listed here are new and revised standards recently approved and promulgated by ISO - the International Organization for Standardization. Most are available at the ANSI Electronic Standards Store (ESS) at [www.ansi.org](http://www.ansi.org). All paper copies are available from Standards resellers (<http://webstore.ansi.org/faq.aspx#resellers>).

## **AGRICULTURAL FOOD PRODUCTS (TC 34)**

ISO 15163:2012, Milk and milk products - Calf rennet and adult bovine rennet - Determination by chromatography of chymosin and bovine pepsin contents, \$98.00

## **CORROSION OF METALS AND ALLOYS (TC 156)**

ISO 9227:2012, Corrosion tests in artificial atmospheres - Salt spray tests, \$98.00

## **GLASS IN BUILDING (TC 160)**

ISO 12543-6/Cor1:2012, Glass in building - Laminated glass and laminated safety glass - Part 6: Appearance - Corrigendum 1, FREE

## **NATURAL GAS (TC 193)**

ISO 6974-1:2012, Natural gas - Determination of composition and associated uncertainty by gas chromatography - Part 1: General guidelines and calculation of composition, \$141.00

ISO 6974-2:2012, Natural gas - Determination of composition and associated uncertainty by gas chromatography - Part 2: Uncertainty calculations, \$86.00

## **ROAD VEHICLES (TC 22)**

ISO 13296:2012, Diesel engines - High-pressure fuel injection pipe assemblies - General requirements and dimensions, \$73.00

ISO 11452-9:2012, Road vehicles - Component test methods for electrical disturbances from narrowband radiated electromagnetic energy - Part 9: Portable transmitters, \$149.00

ISO 13044-1:2012, Road vehicles - 24 V fully automatic coupling systems (FACS) for heavy commercial vehicle combinations - Part 1: General requirements and definitions, \$49.00

## **ROLLING BEARINGS (TC 4)**

ISO 10285/Amd1:2012, Rolling bearings - Sleeve type linear ball bearings - Boundary dimensions and tolerances - Amendment 1, \$16.00

## **SHIPS AND MARINE TECHNOLOGY (TC 8)**

ISO 30005:2012, Ships and marine technology - Ship recycling management systems - Information control for hazardous materials in the manufacturing chain of shipbuilding and ship operations, \$110.00

## **SMALL TOOLS (TC 29)**

ISO 666:2012, Machine tools - Mounting of grinding wheels by means of hub flanges, \$86.00

## **SOCIETAL SECURITY (TC 223)**

ISO 22300:2012, Societal security - Terminology, \$73.00

## **ISO Technical Specifications**

### **TERMINOLOGY (PRINCIPLES AND COORDINATION) (TC 37)**

ISO/TS 11669:2012, Translation projects - General guidance, \$129.00

# 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](mailto:ncsci@nist.gov) or [notifyus@nist.gov](mailto:notifyus@nist.gov).

# Information Concerning

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## American National Standards

### INCITS Executive Board

#### ANSI Accredited SDO and US TAG to ISO/IEC JTC 1, Information Technology

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

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

The INCITS Executive Board seeks to broaden its membership base and is recruiting new participants in the following membership categories:

- special interest (user, academic, consortia)
- non-business (government and major/minor SDOs)

Membership in the INCITS Executive Board is open to all directly and materially affected parties in accordance with INCITS membership rules. To find out more about participating on the INCITS Executive Board, please contact Jennifer Garner at 202-626-5737 or [jgarner@itic.org](mailto:jgarner@itic.org). Visit [www.INCITS.org](http://www.INCITS.org) for more information regarding INCITS activities.

### Calls for Members

#### Society of Cable Telecommunications

##### ANSI Accredited Standards Developer

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

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

Membership in the SCTE Standards Program is open to all directly and materially affected parties as defined in SCTE's membership rules and operating procedures. More information is available at [www.scte.org](http://www.scte.org) or by email from [standards@scte.org](mailto:standards@scte.org).

## ANSI Accredited Standards Developers

### Administrative Reaccreditation

#### Portable Generator Manufacturers Association (PGMA)

At the direction of ANSI's Executive Standards Council (ExSC), the reaccreditation of the Portable Generator Manufacturers Association (PGMA), an ANSI Organizational Member, has been administratively approved under its recently revised operating procedures for documenting consensus on PGMA-sponsored American National Standards, effective May 18, 2012. For additional information, please contact: Mr. Joseph Harding, Technical Director, Portable Generator Manufacturers Association, 1300 Sumner Avenue, Cleveland, OH 44115-2851; phone: 216.241.7333 ext. 3008; fax: 216.241.0105; E-mail: [jharding@thomasamc.com](mailto:jharding@thomasamc.com).

### Approval of Accreditation

#### American Society of Plumbing Engineers (ASPE)

ANSI's Executive Standards Council has approved the American Society of Plumbing Engineers (ASPE), an ANSI Organizational Member, as an ANSI Accredited Standards Developer (ASD) under its proposed operating procedures for documenting consensus on proposed American National Standards, effective May 18, 2012. For additional information, please contact: Ms. Gretchen Pienta, Editorial Director, American Society of Plumbing Engineers, 2980 S. River Road, Des Plaines, IL 60018; phone: 847.296.0002; fax: 847.296.2963; E-mail: [gpienta@aspe.org](mailto:gpienta@aspe.org).

## ANSI Accreditation Program for Third Party Product Certification Agencies

### Initial Accreditation

#### National Precast Concrete Association (NPCA)

##### Comment Deadline: June 25, 2012

Mr. Ty Gable , President  
National Precast Concrete Association (NPCA)  
1320 City Center Dr, Suite 200,  
Carmel, IN 46032  
E-mail: [tgable@precast.org](mailto:tgable@precast.org)

On May 18, 2012, the ANSI Accreditation Committee (ACC) voted to approve the Initial Accreditation for National Precast Concrete Association (NPCA) for the following scope:

##### SCOPE:

##### NPCA Plant Certification Program

Please send your comments by June 25, 2012 to Reinaldo Balbino Figueiredo, Senior Program Director, Product Certifier Accreditation, American National Standards Institute, 1899 L Street, NW, 11th Floor, Washington, DC 20036, Fax: 202-293 9287 or e-mail: [rfigueir@ansi.org](mailto:rfigueir@ansi.org), or Nikki Jackson, Senior Program Manager, Product Certifier Accreditation, American National Standards Institute, 1899 L Street, NW, 11th Floor, Washington, DC 20036 Fax: 202-293 9287 or e-mail: [njackson@ansi.org](mailto:njackson@ansi.org).

## ANSI-ASQ National Accreditation Board (ANAB)

Responsible Recycling

Notice of Accreditation

Certification Body

TÜV SÜD America, Inc.

The ANSI-ASQ National Accreditation Board is pleased to announce that the following certification body has earned ANAB accreditation for Responsible Recycling:

TÜV SÜD America, Inc.

10 Centennial Drive

Peabody, MA 01960

[www.tuvamerica.com](http://www.tuvamerica.com)

E-mail: [info@tuvam.com](mailto:info@tuvam.com)

## International Organization for Standardization (ISO)

Call for International (ISO) Secretariat

ISO/TC 130 – Graphic technology

ANSI has been informed by DIN (Germany), the ISO delegated secretariat, that they wish to relinquish the role of the secretariat. ISO/TC 130 operates under the following scope:

Standardization of terminology, test methods and specifications in the field of printing and graphic technology from the original provided to finished products.

The scope includes in particular:

- composition;
- reproduction;
- printing processes;
- finishing (for example, binding);
- suitability of inks, substrates and other materials used in graphic technology.

Information concerning the United States retaining the role of international secretariat may be obtained by contacting ANSI at [isot@ansi.org](mailto:isot@ansi.org).



# Information Concerning

## ANSI Accreditation Program for Third Party Product Certification Agencies

### Voluntary Withdrawal from ANSI Accreditation

### Bay Area Compliance Laboratories Corporation

### Comment Deadline: June 4, 2012

#### Bay Area Compliance Laboratories Corporation

1274 Anvilwood Avenue  
Sunnyvale, CA 94089

Bay Area Compliance Laboratories Corp. (BACL), an ANSI-Accredited Certification Body, has formally submitted notification of its voluntary withdrawal from ANSI accreditation for the following scopes, effective on May 1, 2012:

#### SCOPE(S)

FCC (A1) Unlicensed Radio Frequency Devices  
FCC (A2) Unlicensed Radio Frequency Devices  
FCC (A3) Unlicensed Radio Frequency Devices  
FCC (A4) Unlicensed Radio Frequency Devices  
FCC (B1) Licensed Radio Frequency Devices  
FCC (B2) Licensed Radio Frequency Devices  
FCC (B3) Licensed Radio Frequency Devices  
FCC (B4) Licensed Radio Frequency Devices  
FCC (C) Telephone Terminal Equipment

iDA TS 3G-BS  
iDA TS 3G-MT  
iDA TS AR  
iDA TS CBS  
iDA TS CMT  
iDA TS CT-CTS  
iDA TS GMPCS  
iDA TS GSM-MT  
iDA TS LMR  
iDA TS RPG  
iDA TS SRD  
iDA TS UWB  
iDA TS WBA

Broadcasting – All BETS in the Category I Equipment Standards List  
Radio Scope 1 – Licence-exempt Radio Frequency Devices  
Radio Scope 2 – Licensed Personal Mobile Radio Services  
Radio Scope 3 – Licensed General Mobile and Fixed Radio Services  
Radio Scope 4 – Licensed Maritime and Aviation Radio Services  
Radio Scope 5 – Licensed Fixed Microwave Radio Services

**A. Japan MIC Telecommunications Business Law**

- A1. Terminal equipment for purpose of calling
- A2. Other Terminal equipment

**B. Japan MIC Radio Law**

- B1. Specified Radio Equipment specified in Article 38-2-2, paragraph 1, item 1 of the Radio Law
- B2. Specified Radio Equipment specified in Article 38-2-2, paragraph 1, item 2 of the Radio Law
- B3. Specified Radio Equipment specified in Article 38-2-2, paragraph 1, item 3 of the Radio Law

**OFTA Radio Equipment Specifications (HKTA 10XX)**

- HKTA 1001
- HKTA 1002
- HKTA 1003
- HKTA 1004
- HKTA 1005
- HKTA 1006
- HKTA 1007
- HKTA 1008
- HKTA 1015
- HKTA 1016
- HKTA 1020
- HKTA 1022
- HKTA 1026
- HKTA 1027
- HKTA 1029
- HKTA 1030
- HKTA 1031
- HKTA 1032
- HKTA 1033
- HKTA 1034
- HKTA 1035
- HKTA 1036
- HKTA 1037
- HKTA 1039
- HKTA 1041
- HKTA 1042
- HKTA 1043
- HKTA 1044
- HKTA 1045
- HKTA 1046
- HKTA 1047
- HKTA 1048
- HKTA 1049
- HKTA 1050
- HKTA 1052
- HKTA 1053
- HKTA 1054
- HKTA 1056
- HKTA 1057
- HKTA 1061

**OFTA GMDSS Marine Radio Equipment Specifications (HKTA 12XX)**

HKTA 1218  
HKTA 1223  
HKTA 1224  
HKTA 1225  
HKTA 1257  
HKTA 1258  
HKTA 1259  
HKTA 1260  
HKTA 1261  
HKTA 1262  
HKTA 1263  
HKTA 1264  
HKTA 1265  
HKTA 1266  
HKTA 1277  
HKTA 1281  
HKTA 1282

**OFTA Fixed Network Equipment Specifications (HKTA 2XXX)**

HKTA 2001  
HKTA 2011  
HKTA 2012  
HKTA 2013  
HKTA 2014  
HKTA 2015  
HKTA 2016  
HKTA 2017  
HKTA 2018  
HKTA 2019  
HKTA 2020  
HKTA 2021  
HKTA 2022  
HKTA 2023  
HKTA 2024  
HKTA 2026  
HKTA 2027  
HKTA 2028  
HKTA 2029  
HKTA 2030  
HKTA 2031  
HKTA 2032  
HKTA 2033  
HKTA 2034  
HKTA 2036  
HKTA 2201  
HKTA 2202

Please send your comments within June 4, 2012 to Reinaldo Balbino Figueiredo, Senior Program Director, Product Certifier Accreditation, American National Standards Institute, 1899 L Street, NW, 11th Floor, Washington, DC 20036, Fax: 202-293-9287 or e-mail: [rfigueir@ansi.org](mailto:rfigueir@ansi.org), or Nikki Jackson, Senior Program Manager, Product Certifier Accreditation, American National Standards Institute, 1899 L Street, NW, 11th Floor, Washington, DC 20036 Fax: 202-293-9287 or e-mail: [njackson@ansi.org](mailto:njackson@ansi.org).

## ANSI Seeks Comments on Proposed New ISO Standard on Consumer Contact Centers

The [International Organization for Standardization](#) (ISO) [Committee on Consumer Policy](#) (COPOLCO) has submitted a proposal to ISO for a new ISO standard on guidelines for consumer contact centers. As the U.S. member body to ISO, the [American National Standards Institute](#) (ANSI) invites all interested stakeholders to submit comments on the proposal **by Friday, June 15, 2012**.

The proposed new work item, *Guidelines for customer contact centres*, would provide guidance for business process service centers, including front-end voice, multimedia, and back-office service providers, and including all customer contact centers (call centers), whether an in-house (captive) center or a third-party operator (outsourcer).

The intent is to address issues identified in an ISO/COPOLCO/DEVCO survey in 2009-10 on customer contact centers. These issues include problems customers reported with accessing and/or receiving satisfactory help and common frustrations with customer call centers.

All comments on the proposal should be sent to Steven P. Cornish, ANSI senior director for international policy ([isot@ansi.org](mailto:isot@ansi.org)). Feedback received by the June 15 deadline will be reviewed and compiled for the recommended ANSI position and comments, which will then be presented to the ANSI ISO Council (AIC) for formal approval.

[Read the COPOLCO proposal.](#)

---

ANSI has published an explanatory information document outlining the process used to develop U.S. positions on issues and activities under consideration by ISO and IEC. [Click here to download the document.](#)

## ANSI Seeks Comments on Proposed New ISO Standard on Consumer Warranties

The [International Organization for Standardization \(ISO\) Committee on Consumer Policy \(COPOLCO\)](#) has submitted a proposal to ISO for a new ISO standard on guidelines for consumer warranties. As the U.S. member body to ISO, the [American National Standards Institute \(ANSI\)](#) invites all interested stakeholders to submit comments on the proposal **by Friday, June 15, 2012**.

The proposed new work item, *Guidelines on consumer warranties*, would provide producers or sellers of goods and services with guidance on the requirements for effective warranties when they are providing them with their goods and services. If the work item is approved, the work would be carried out by a project committee.

The intent is to address problems with warranties in relation to goods or services sold, either within one jurisdiction or across a number of different jurisdictions. Problems with goods that are defective or do not conform to the description of the contract are among the main reasons for consumer complaints, and also cause large financial and other detriment, both for individual consumers and for the economy as a whole.

All comments on the proposal should be sent to Steven P. Cornish, ANSI senior director for international policy ([isot@ansi.org](mailto:isot@ansi.org)). Feedback received by the June 15 deadline will be reviewed and compiled for the recommended ANSI position and comments, which will then be presented to the ANSI ISO Council (AIC) for formal approval.

[Read the COPOLCO proposal.](#)

---

ANSI has published an explanatory information document outlining the process used to develop U.S. positions on issues and activities under consideration by ISO and IEC. [Click here to download the document.](#)



**BSR/ASHRAE/IES Addendum af  
to ANSI/ASHRAE/IES Standard 90.1-2010**

**Public Review Draft**

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**Proposed Addendum af to Standard  
90.1-2010, *Energy Standard for  
Buildings Except Low-Rise  
Residential Buildings***

**First Public Review (February 2012)  
(Draft shows Proposed Changes to Current Standard)**

This draft has been recommended for public review by the responsible project committee. To submit a comment on this proposed standard, go to the ASHRAE website at [www.ashrae.org/standards-research--technology/public-review-drafts](http://www.ashrae.org/standards-research--technology/public-review-drafts) and access the online comment database. The draft is subject to modification until it is approved for publication by the Board of Directors and ANSI. Until this time, the current edition of the standard (as modified by any published addenda on the ASHRAE website) remains in effect. The current edition of any standard may be purchased from the ASHRAE Online Store at [www.ashrae.org/bookstore](http://www.ashrae.org/bookstore) or by calling 404-636-8400 or 1-800-727-4723 (for orders in the U.S. or Canada).

This standard is under continuous maintenance. To propose a change to the current standard, use the change submittal form available on the ASHRAE website, [www.ashrae.org](http://www.ashrae.org).

The appearance of any technical data or editorial material in this public review document does not constitute endorsement, warranty, or guaranty by ASHRAE of any product, service, process, procedure, or design, and ASHRAE expressly disclaims such.

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**ASHRAE, 1791 Tullie Circle, NE, Atlanta GA 30329-2305**

BSR/ASHRAE/IES Addendum af to ANSI/ASHRAE/IESNA Standard 90.1-2010, *Energy Standard for Buildings Except Low-Rise Residential Buildings*  
 First Public Review Draft

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

## FOREWORD

*This Addendum covers two changes to Chapter 6 of the Standard incorporating open circuit cooling tower flow turndown and fan control for multi-fan heat rejection installations as follows:*

- *The addition of a flow turndown requirement to the Standard will require the use of cooling towers capable of handling modulation of condenser water flow as a means to save energy. Manufacturers would need to design and supply spray water distribution systems, either gravity flow or pressurized, that will function properly at a reduced flow over the tower. The 50% flow turndown ratio was established to minimize the potential for scaling of the heat transfer surface in the tower, which can reduce the capacity of the tower and consequently lead to higher energy use. The 50% turndown ratio also corresponds with the latest proposal for a similar flow turndown requirement in California Title 24.*
- *As virtually all heat rejection equipment utilize VSDs on the 7.5 HP fans and above, a requirement to operate the maximum number of fans in a multi-fan installation to minimize energy for a given duty has been added as 6.5.5.2.2. All fans should be operated in tandem at the same fan speed as this control sequence for multi-fan installations is more energy efficient than on/off or sequenced fan operation. A note that the minimum fan speed must comply with the minimum allowable speed of the fan drive system per the heat rejection device manufacturer's recommendations was also added.*

*Two other changes were also made:*

- *6.5.5.1 was revised to include dry coolers as an example since they are common devices used for heat rejection and to clarify the two types of cooling towers referenced in this section (open-circuit and closed-circuit).*
- *6.5.5.2.1 was revised to eliminate exception d. as most heat transfer devices utilize VSDs due to the many benefits and declining costs of VSDs. This exception would also conflict with the fan speed requirement proposed in 6.5.5.2.2 for multi-cell heat rejection devices.*

*Note that this change to the Standard is supported by the Standards Subcommittee of TC08.06, the ASHRAE technical committee for Cooling Tower and Evaporative Condensers.*

***Note: In this addendum, changes to the current standard are indicated in the text by underlining (for additions) and strikethrough (for deletions) unless the instructions specifically mention some other means of indicating the changes. Only these changes are open for review and comment at this time. Additional material is provided for context only and is not open for comment except as it relates to the proposed substantive changes.***

BSR/ASHRAE/IES Addendum af to ANSI/ASHRAE/IESNA Standard 90.1-2010, *Energy Standard for Buildings Except Low-Rise Residential Buildings*  
 First Public Review Draft

## Addendum af to 90.1-2010

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*Revise the Standard as follows (I-P units)*

### 6.5.5 Heat Rejection Equipment

6.5.5.1 General. Section 6.5.5 applies to heat rejection equipment used in comfort cooling systems such as air-cooled condensers, dry coolers, open-circuit cooling towers, closed-circuit cooling towers, and evaporative condensers.

Exception: Heat rejection devices whose energy usage is included in the equipment efficiency ratings listed in Tables 6.8.1A through 6.8.1D.

### 6.5.5.2 Fan Speed Control.

6.5.5.2.1 Each fan powered by a motor of 7.5 hp or larger shall have the capability to operate ~~that fan~~ at two-thirds of full speed or less and shall have controls that automatically change the fan speed to control the leaving fluid temperature or condensing temperature/pressure of the heat rejection device.

Exceptions:

- a. Condenser fans serving multiple refrigerant circuits.
- b. Condenser fans serving flooded condensers.
- c. Installations located in climate zones 1 and 2.
- d. ~~Up to one-third of the fans on a condenser or tower with multiple fans, where the lead fans comply with the speed control requirement.~~

6.5.5.2.2 Multiple cell heat rejection equipment with variable speed fan drives shall:

- a. Operate the maximum number of fans allowed that comply with the manufacturer's requirements for all system components and
- b. Control all fans to the same fan speed required for the instantaneous cooling duty as opposed to staged (on/off) operation. Minimum fan speed shall comply with the minimum allowable speed of the fan drive system per the manufacturer's recommendations.

6.5.5.3 Limitation on Centrifugal Fan Open-Circuit Cooling Towers. Centrifugal fan open-circuit cooling towers with a combined rated capacity of 1100 gpm or greater at 95°F condenser water return, 85°F condenser water supply, and 75°F outdoor air wet-bulb temperature shall meet the energy efficiency requirement for axial fan open-circuit cooling towers listed in Table 6.8.1G.

Exception: Centrifugal open-circuit cooling towers that are ducted (inlet or discharge) or require external sound attenuation.

6.5.5.4 Tower Flow Turndown. Open circuit cooling towers used on water cooled chiller systems that are configured with multiple or variable speed condenser water pumps shall be designed so that all open circuit cooling tower cells can be run in parallel with the larger of:

- A. The flow that is produced by the smallest pump at its minimum expected flow rate, or
- B. 50 percent of the design flow for the cell.



BSR/ASHRAE/IES Addendum af to ANSI/ASHRAE/IESNA Standard 90.1-2010, *Energy Standard for Buildings Except Low-Rise Residential Buildings*  
 First Public Review Draft

Revise the Standard as follows (S-I units)

#### 6.5.5 Heat Rejection Equipment

6.5.5.1 General. Section 6.5.5 applies to heat rejection equipment used in comfort cooling systems such as air-cooled condensers, dry coolers, open-circuit cooling towers, closed-circuit cooling towers, and evaporative condensers.

Exception: Heat rejection devices whose energy usage is included in the equipment efficiency ratings listed in Tables 6.8.1A through 6.8.1D.

#### 6.5.5.2 Fan Speed Control.

6.5.5.2.1 Each fan powered by a motor of 5.6 kW or larger shall have the capability to operate ~~that fan~~ at two-thirds of full speed or less and shall have controls that automatically change the fan speed to control the leaving fluid temperature or condensing temperature/pressure of the heat rejection device.

Exceptions:

- a. Condenser fans serving multiple refrigerant circuits.
- b. Condenser fans serving flooded condensers.
- c. Installations located in climate zones 1 and 2.
- ~~d. Up to one-third of the fans on a condenser or tower with multiple fans, where the lead fans comply with the speed control requirement.~~

6.5.5.2.2 Multiple cell heat rejection equipment with variable speed fan drives shall:

- a. Operate the maximum number of fans allowed that comply with the manufacturer's requirements for all system components and
- b. Control all fans to the same fan speed required for the instantaneous cooling duty as opposed to staged (on/off) operation. Minimum fan speed shall comply with the minimum allowable speed of the fan drive system per the manufacturer's recommendations.

6.5.5.3 Limitation on Centrifugal Fan Open-Circuit Cooling Towers. Centrifugal fan open-circuit cooling towers with a combined rated capacity of 69 L/s or greater at 35°C condenser water return, 29°C condenser water supply, and 24°C outdoor air wet-bulb temperature shall meet the energy efficiency requirement for axial fan open-circuit cooling towers listed in Table 6.8.1G.

Exception: Centrifugal open-circuit cooling towers that are ducted (inlet or discharge) or require external sound attenuation.

6.5.5.4 Tower Flow Turndown. Open circuit cooling towers used on water cooled chiller systems that are configured with multiple condenser water pumps shall be designed so that all open circuit cooling tower cells can be run in parallel with the larger of:

- A. The flow that is produced by the smallest pump, or
- B. 50 percent of the design flow for the cell.

Tracking Number 40i26r1, 245i7, 350i4r1, 350-1i4r1  
 Revision to NSF/ANSI 40-2010, NSF/ANSI 245-2010a, NSF/ANSI 350 and 350-1  
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(May 2012)

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*Section numbers are different in the various standards therefore, changes will be made to corresponding sections within each standard.*

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## 8.4 Analytical descriptions

### 8.4.1 pH, TSS, BOD<sub>5</sub>, and CBOD<sub>5</sub>

The pH, TSS, and BOD<sub>5</sub> of the collected influent and the pH, TSS and CBOD<sub>5</sub> of the collected effluent 24-h composite samples shall be determined with the appropriate methods in *Standard Methods*. Influent and effluent pH samples shall be collected as grab samples.

***Reason: This addresses the issue paper 2011-5 as approved at 2011 JC meeting.***

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## 9 Final report

A final report shall be prepared that presents the following:

- all data collected in accordance with the testing and evaluations specified within this Standard;
- calculation of the pounds BOD<sub>5</sub> loaded during the test and the pounds removed;
- any adjustments made to the alkalinity of the influent wastewater;
- copy of the current edition of the Owner's Manual; and
- process description and detailed dimensioned drawings of the tested system.

A supplemental report shall be prepared for any system(s) approved under the performance classification in 1.4, including process description(s) and dimensioned drawing(s).

***Reason: This addresses a comment received on 40i20r1 regarding reporting of adjustments for alkalinity.***

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Tracking number 60i56r1  
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Revision to NSF/ANSI 60 – 2011  
 Issue 56 Revision 1 (May 2012)

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[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 Drinking Water Treatment Chemicals– Health Effects

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 .  
 .

**6 Disinfection and oxidation chemicals**

.  
 .  
 .

**6.3.3.1 Manufacturer’s Use Instructions**

Because aged solutions of hypochlorite may contain elevated levels of perchlorate and chlorate, Certification Listings and the manufacturer’s use instructions, or documentation supplied with the product, shall reference the recommended handling and storage practices contained in AWWA B300 – Hypochlorites.

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**Annex D**  
 (normative)

**Normative drinking water criteria**

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**Table D1 – U.S. Environmental Protection Agency and Health Canada  
 NSF/ANSI 60 drinking water criteria**

| Contaminant (reference) <sup>1</sup> | Drinking water regulatory level (MCL/MAC) (mg/L) | Single product allowable concentration (SPAC) (mg/L) |
|--------------------------------------|--|--|
| ...                                  |  |  |
| chlorate                             | 1  | 0.2 0.3  |
| ...                                  |  |  |

**Reason: Revised per DWA Task Group on Chlorate recommendation with the following rationale:**

*In accordance with ASTM procedures and those routinely used when deriving SPACs through Annex A of NSF/ANSI 60, the unrounded Health Canada MAC for chlorate of 1.12 mg/L is most appropriate for use in the calculation and rounding applied after calculating the SPAC. For four sources as utilized in the prior chlorate calculation and based on the unrounded TAC, the SPAC is:*

$$SPAC = \frac{1.12 \text{ mg/L}}{4} = 0.28 \text{ mg/L} = 0.3 \text{ mg/L (rounded)}$$

**Please see attached reference document on chlorate TAC and SPAC review for more information.**

## BSR/UL 698A Proposals for the Standard for Industrial Control Panels Relating to Hazardous (Classified) Locations

### 1. Revisions to the Scope and Applicable Requirements of UL 698A to Include AEx Class I, Zones 0 and 1, and AEx Zones 20 and 21 References

1.1 These requirements cover industrial control panels intended for general industrial use and installation in unclassified locations with intrinsically safe circuit extensions into the following ~~Class I, Class II, and Class III, Division 1~~ hazardous (classified) locations in accordance with the National Electrical Code (NEC), NFPA 70-~~2~~:

- a) Class I, Division 1;
- b) Class I, Zone 0 and Zone 1;
- c) Class II, Division 1;
- d) Class III, Division 1; and
- e) Zone 20 and Zone 21.

6.1 Barriers shall comply with the following requirements based on the intended area: ~~in the Standard for Intrinsically Safe Apparatus and Associated Apparatus for Use in Class I, II, and III, Division 1, Hazardous (Classified) Locations, UL 913.~~

- a) For Division 1 hazardous (classified) locations in accordance with Article 504 of the NEC: the Standard for Intrinsically Safe Apparatus and Associated Apparatus for Use in Class I, II, and III, Division 1, Hazardous (Classified) Locations, UL 913.
- b) For Zone 0 and Zone 1 hazardous (classified) locations in accordance with Article 505 of the NEC: the Standard for Explosive Atmospheres - Part 11: Equipment Protection by Intrinsic Safety "i", UL 60079-11.
- c) For Zone 20 and Zone 21 hazardous (classified) locations in accordance with Article 506 of the NEC: the Standard for Electrical Apparatus for Use in Zone 20, Zone 21 and Zone 22 Hazardous (Classified) Locations - Protection by Intrinsic Safety "iD", ISA-61241-11 (12.10.04)-2006.

7.1 Intrinsically safe equipment, located in a Division 1, Zone 0, Zone 1, Zone 20 or Zone 21 area, that is intended to be connected to a barrier in the panel, shall be limited to simple apparatus.

*Exception: Connection to intrinsically safe equipment, other than simple apparatus, is not prohibited when the connection ~~is evaluated to the~~ complies with the following requirements based on the intended area: ~~Standard for Intrinsically Safe Apparatus and Associated Apparatus for Use in Class I, II, and III, Division 1, Hazardous (Classified) Locations, UL 913.~~*

- a) For Division 1 hazardous (classified) locations in accordance with Article 504 of the NEC: the Standard for Intrinsically Safe Apparatus and Associated Apparatus for Use in Class I, II, and III, Division 1, Hazardous (Classified) Locations, UL 913.
- b) For Zone 0 and Zone 1 hazardous (classified) locations in accordance with Article 505 of the NEC: the Standard for Explosive Atmospheres - Part 11: Equipment Protection by Intrinsic Safety "i", UL 60079-11.
- c) For Zone 20 and Zone 21 hazardous (classified) locations in accordance with Article 506 of the NEC: the Standard for Electrical Apparatus for Use in Zone 20, Zone 21 and Zone 22 Hazardous (Classified) Locations - Protection by Intrinsic Safety "iD", ISA-61241-11 (12.10.04)-2006.

7.3 For simple apparatus other than switches, the maximum power ( $P_o$ ) delivered from the barrier to the simple apparatus shall not exceed 1.3 W for temperature considerations. The maximum power shall be determined by either a marked value on the barrier or by the following calculation:

$$P_o = (V_{oc} \cdot I_{sc}) \div 4$$

in which  $V_{oc}$  and  $I_{sc}$  are per the marked values on the barrier.

*Exception: The maximum power ( $P_o$ ) shall not exceed 1.3 W unless the apparatus is evaluated to the ~~complies with the following requirements based on the intended areas: Standard for Intrinsically Safe Apparatus and Associated Apparatus for Use in Class I, II, and III, Division 1, Hazardous (Classified) Locations, UL 913.~~*

a) For Division 1 hazardous (classified) locations in accordance with Article 504 of the NEC: the Standard for Intrinsically Safe Apparatus and Associated Apparatus for Use in Class I, II, and III, Division 1, Hazardous (Classified) Locations, UL 913.

b) For Zone 0 and Zone 1 hazardous (classified) locations in accordance with the Article 505 of the NEC: the Standard for Explosive Atmospheres - Part 11: Equipment Protection by Intrinsic Safety "i", UL 60079-11.

c) For Zone 20 and Zone 21 hazardous (classified) locations in accordance with Article 506 of the NEC: the Standard for Electrical Apparatus for Use in Zone 20, Zone 21 and Zone 22 Hazardous (Classified) Locations - Protection by Intrinsic Safety "iD", ISA-61241-11 (12.10.04)-2006.

**Table 7.1**

**Temperature Marking**

| Maximum temperature <sup>a</sup> |       | Temperature Class |
|----------------------------------|-------|-------------------|
| °C                               | (°F)  |                   |
| 450                              | (842) | T1                |
| 300                              | (572) | T2                |
| 280                              | (536) | T2A <sup>b</sup>  |
| 260                              | (500) | T2B <sup>b</sup>  |
| 230                              | (446) | T2C <sup>b</sup>  |
| 215                              | (419) | T2D <sup>b</sup>  |
| 200                              | (392) | T3                |
| 180                              | (356) | T3A <sup>b</sup>  |
| 165                              | (329) | T3B <sup>b</sup>  |
| 160                              | (320) | T3C <sup>b</sup>  |
| 135                              | (275) | T4                |
| 120                              | (248) | T4A <sup>b</sup>  |
| 100                              | (212) | T5                |
| 85                               | (185) | T6                |

<sup>a</sup> Based on a 40°C (104°F) or higher marked ambient. <sup>b</sup> Division 1 area applications only.

9.3.1 Partitions shall be made of aluminum, steel, or nonmetallic material and shall be mechanically secured. Where partitions are made of aluminum or steel, they shall be a minimum of 2 mm (0.0787 inch) thick. Where partitions are nonmetallic, they shall be 0.9 mm (0.0354 inch) thick or shall comply with Section 11, Mechanical Tests.

11.1 Nonmetallic partitions less than 0.9 mm (0.0354 inch) thick are to be subjected to a force of 30 Newtons (6.75 lbs-force), applied by a 6 mm (0.25 inch) diameter rigid test rod. The force is to be applied at the center of the partition for 10 seconds. There shall be no permanent deformation of the partition that defeats its purpose.

13.2 The panel shall be marked as follows based on the intended area: "~~Provides intrinsically safe circuit extensions for use in Class \_\_\_\_\_, Groups \_\_\_\_\_, Hazardous (Classified) Locations when connected per Panel Control Drawing No. \_\_\_\_\_.~~"

a) For Division 1 hazardous (classified) locations in accordance with Article 504 of the NEC, "~~Provides intrinsically safe circuit extensions for use in Class \_\_\_\_\_, Groups \_\_\_\_\_, Hazardous (Classified) Locations when connected per Panel Control Drawing No. \_\_\_\_\_.~~"

b) For Zone 0 and Zone 1 hazardous (classified) locations in accordance with Article 505 of the NEC, "~~Provides intrinsically safe circuit extensions for use in Class I, Zone \_\_\_\_\_, Groups \_\_\_\_\_, Hazardous (Classified) Locations when connected per Panel Control Drawing No. \_\_\_\_\_.~~"

c) For Zone 20 and Zone 21 hazardous (classified) locations in accordance with Article 506 of the NEC: the Standard for Electrical Apparatus for Use in Zone 20, Zone 21 and Zone 22 Hazardous (Classified) Locations - Protection by Intrinsic Safety "iD", ISA-61241-11 (12.10.04)-2006.

15.1 Each panel shall be provided with a panel control drawing containing:

- a) Instructions for making connections to non-intrinsically safe field wiring terminals;
- b) Instructions for making connections to intrinsically safe field wiring terminals;
- c) The following statement based on the intended area: "~~Install in accordance with Article 504 of the National Electrical Code~~";

1) For Division 1 hazardous (classified) locations in accordance with Article 504 of the NEC: "~~Install in accordance with Article 504 of the National Electrical Code~~";

2) For Zone 0 and Zone 1 hazardous (classified) locations in accordance with Article 505 of the NEC: "~~Install in accordance with Article 505 of the National Electrical Code~~";

3) For Zone 20 and Zone 21 hazardous (classified) locations in accordance with Article 506 of the NEC: "~~Install in accordance with Article 506 of the National Electrical Code~~";

d) Maximum length of cable to be connected to the barrier. This shall be the length specified by the barrier manufacturer or calculated from the following formulas:

$$\text{Length (ft)} = C_a / 60 \text{ pF}$$

and

$$\text{Length (ft)} = L_a / 0.2 \text{ mH}$$

where  $C_a$  and  $L_a$  are the capacitance and the inductance parameters specified by the barrier manufacturer. The specified maximum length shall be the lesser of the two values calculated;

- e) Identification of the intrinsically safe equipment intended to be connected to the barrier; and
- f) Identification of the hazardous area as follows: by Class and Group in which the intrinsically safe equipment is to be installed.

1) For Division 1 hazardous (classified) locations in accordance with Article 504 of the NEC: by Class and Group in which the intrinsically safe equipment is to be installed.

2) For Zone 0 and Zone 1 hazardous (classified) locations in accordance with Article 505 of the NEC: by Class, Zone and Group in which the intrinsically safe equipment is to be installed.

3) For Zone 20 and Zone 21 hazardous (classified) locations in accordance with Article 506 of the NEC: by Zone in which the intrinsically safe equipment is to be installed.

15.2 For a typical example of a Division 1 panel control drawing, refer to Figure 15.1.

NOTE 1: For a typical example of a Zone 0 or Zone 1 panel drawing, the reference to "Art. 504" in the example would be replaced with "Art. 505" and the reference to "Class I, Groups A, B, C and D" would be replaced with "Class I, Zone 0, IIC" or "Class I, Zone 1, IIC" respectively.

NOTE 2: For a typical example of a Zone 20 or Zone 21 panel drawing, the reference to "Art. 504" in the example would be replaced with "Art. 506" and the reference to "Class I, Groups A, B, C and D" would be replaced with "Zone 20 or Zone 21" respectively.

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## **BSR/UL 746E, Standard for Safety for Polymeric Materials - Industrial Laminates, Filament Wound Tubing, Vulcanized Fibre, and Materials Used In Printed-Wiring Boards**

### **Proposal to Revise Requirements for Bond Strength Delamination and Blistering Test in Paragraph 17.7.2.1**

17.7.2.1 Following the bond-strength testing, two of the four test samples are to be placed in an oven for 240 hours (10 days) at an elevated temperature based on the operating temperature rating of the material being investigated, ~~and~~ . The two remaining samples (of the four) are to be placed in a conditioning oven for 1344 hours (56 days) at an elevated temperature based on the operating temperature rating of the material being investigated. The elevated conditioning temperature is determined using the formulas in 17.7.2.2. At the conclusion of the oven conditioning, the bond-strength testing is to be repeated. The samples are to be examined visually, after oven conditioning and there shall be no wrinkling, cracking, blistering, or loosening of any conductor or any delamination of the insulation and bonding sheets. The alternate 1344-hour (56-day) oven conditioning temperature may be used if the laminate manufacturer anticipates that the higher test temperature and increased bond-strength test requirements of the 240-hour (10-day) oven conditioning program would be too severe for the product.

*Exception: For film type materials, separate two test samples besides As-received samples are to be placed in an oven for 240 hours (10 days). Also, another separate two samples besides As-received samples are to be placed in a conditioning oven for 1344 hours (56 days). Thus, for film type materials, total 8 samples (4 for As-received, 2 for 10 days, and 2 for 56 days) are needed.*



## **BSR/UL 1004-3, the Standard for Thermally Protected Motors**

### **Proposal**

#### **1. Clarification to the Locked Rotor Temperature Test**

1.2 This Standard applies to motors that rely upon a device (thermal motor protector) to prevent overheating under at least one operating condition. These motors shall be identified as thermally protected motors.

~~41A.1.6 A motor for which a protector opens under at least one operating condition shall be identified as thermally protected and shall comply with the requirements of this Standard in each condition that results in a protector opening. For each condition that does not result in the protector opening, the tests in the Standard for Impedance Protected Motors, UL 1004-2, are to be performed when the measured constant temperature at the condition(s) where the protector does not open exceeds the average after the first hour temperature in Table 41A.1 for the Class of motor insulation.~~