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American National Standards

Call for comment on proposals listed

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

Ordering Instructions for "Call-for-Comment" Listings

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

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

★ Standard for consumer products

Comment Deadline: March 2, 2008

NSF (NSF International)

Revisions

BSR/NSF 14-200x (i25), Plastics piping system components and related materials (revision of ANSI/NSF 14-2007)

Issue 25 - To update Section 7 to exclude lead as an intentional ingredient in potable water plastic piping system components and related materials.

[Click here to see these changes in full, or look at the end of "Standards Action."](#)

Send comments (with copy to BSR) to: Mindy Costello, NSF;
mcostello@nsf.org

BSR/NSF 24-200x (i2), Plumbing system components for recreational vehicles (revision of ANSI/NSF 24-2006)

Issue 2 - To clarify that toilets under ANSI/NSF 24 shall comply with only the Function Test of IAPMO TS 12, and not all sections of IAPMO TS 12.

[Click here to see these changes in full, or look at the end of "Standards Action."](#)

Send comments (with copy to BSR) to: Mindy Costello, NSF;
mcostello@nsf.org

BSR/NSF 24-200x (i3), Plumbing system components for recreational vehicles (revision of ANSI/NSF 24-2006)

Issue 3 - To remove the requirement for mechanical seal toilets under ANSI/NSF 24 to comply with the "structural strength and integrity" and "wear and cleanability" sections of ANSI Z124.4.

[Click here to see these changes in full, or look at the end of "Standards Action."](#)

Send comments (with copy to BSR) to: Mindy Costello, NSF;
mcostello@nsf.org

BSR/NSF 24-200x (i4), Plumbing system components for recreational vehicles (revision of ANSI/NSF 24-2006)

Issue 4 - To add requirements for mechanical seal toilets and tanks to meet the appropriate sections of IAPMO TS-1.

[Click here to see these changes in full, or look at the end of "Standards Action."](#)

Send comments (with copy to BSR) to: Mindy Costello, NSF;
mcostello@nsf.org

UL (Underwriters Laboratories, Inc.)

New Standards

BSR/UL 1123-200x, Standard for Safety for Marine Buoyant Devices (new standard)

This 2/1/2008 UL 1123 proposal bulletin includes revisions to the children's information placard within the table relating to "Select the Right PFD for your Child".

[Click here to see these changes in full, or look at the end of "Standards Action."](#)

Send comments (with copy to BSR) to: Betty McKay, UL-NC;
Betty.C.McKay@us.ul.com

BSR/UL 1278-200x, Standard for Movable and Wall- or Ceiling-Hung Electric Room Heaters (new standard)

Provides manufacturing and production tests on fluid-filled heaters.

[Click here to see these changes in full, or look at the end of "Standards Action."](#)

Send comments (with copy to BSR) to: Mitchell Gold, UL-IL;
Mitchell.Gold@us.ul.com

Comment Deadline: March 17, 2008

ABYC (American Boat and Yacht Council)

New Standards

BSR/ABYC H-3-200x, Exterior Windows, Windshields, Hatches, Doors, Port Lights, and Glazing Materials (new standard)

Provides a guide for the design, construction, and installation of exterior windows, windshields, hatches, port lights, doors, and all glazing materials on boats.

Single copy price: \$25.00 (ABYC Members); \$50.00 (Non-Members)

Obtain an electronic copy from: www.abycinc.org

Order from: Dorothy Valentine, ABYC; dvalentine@abycinc.org

Send comments (with copy to BSR) to: Eric Johnson, ABYC;
ejohnson@abycinc.org

BSR/ABYC H-32-200x, Ventilation of Boats Using Diesel Fuel (new standard)

Provides a guide for the design, construction, and installation of ventilation systems of boats using diesel fuel, for the purpose of removal of fixed gaseous fire-extinguishing-system discharge, and/or combustion air, and/or any incidental additional uses.

Single copy price: \$25.00 (ABYC Members); \$50.00 (Non-Members)

Obtain an electronic copy from: www.abycinc.org

Order from: Dorothy Valentine, ABYC; dvalentine@abycinc.org

Send comments (with copy to BSR) to: Eric Johnson, ABYC;
ejohnson@abycinc.org

API (American Petroleum Institute)

New National Adoptions

BSR/API Spec 6D/ISO 14313, 23rd Edition-200x, Specification for Pipeline Valves (identical national adoption of ISO 14313:2007)

Specifies requirements and provides recommendations for the design, manufacturing, testing and documentation of ball, check, gate and plug valves for application in pipeline systems meeting the requirements of ISO 13623 for the petroleum and natural gas industries. It is not applicable to subsea pipeline valves or for pressure ratings exceeding PN 240 (Class 2 500).

Single copy price: \$25.00

Obtain an electronic copy from: kurylac@api.org

Order from: Carriann Kuryla, API (Organization); kurylac@api.org

Send comments (with copy to BSR) to: Same

ASC X9 (Accredited Standards Committee X9, Incorporated)

New Standards

BSR X9.102-200x, Symmetric Key Cryptography for the Financial Services Industry - Wrapping of Keys and Associated Data (new standard)

Specifies four key wrap mechanisms based on ASC X9 approved symmetric key block ciphers whose block size is either 64 bits or 128 bits. The key wrap mechanisms can provide assurance of the confidentiality and the integrity of data, especially cryptographic keys or other specialized data.

Single copy price: \$60.00

Obtain an electronic copy from: www.x9.org

Order from: www.x9.org

Send comments (with copy to BSR) to: Janet Busch, ASC X9;
janet.busch@x9.org

ATIS (Alliance for Telecommunications Industry Solutions)

Reaffirmations

BSR T1.105.03-1994 (R200x), Synchronous Optical Network (SONET) - Jitter and Wander at Network and Equipment Interfaces (reaffirmation of ANSI T1.105.03-1994)

Describes the jitter specifications that are applicable to SONET network and equipment interfaces (OC-N and STS-N), and jitter and wander specifications that are applicable to certain SONET payload signals (e.g., DS1 and DS3).

Single copy price: \$227.00

Obtain an electronic copy from: kconn@atis.org

Order from: Kerrienne Conn, ATIS; kconn@atis.org

Send comments (with copy to BSR) to: Same

BSR T1.105.09-1996 (R200x), Synchronous Optical Network (SONET) - Network Timing and Synchronization (reaffirmation of ANSI T1.105.09-1996 (R2002))

Provides timing and synchronization specifications for SONET interfaces. Compliance with this standard is necessary to achieve satisfactory interworking of telecommunications networks.

Single copy price: \$108.00

Obtain an electronic copy from: kconn@atis.org

Order from: Kerrienne Conn, ATIS; kconn@atis.org

Send comments (with copy to BSR) to: Same

AWS (American Welding Society)

Revisions

BSR/AWS D8.14M-200x, Specification for Automotive Weld Quality - Arc Welding of Aluminum (revision of ANSI/AWS D8.14-2000)

Covers the arc welding of automotive and light truck components that are manufactured from aluminum alloys.

Single copy price: \$30.50

Obtain an electronic copy from: roneill@aws.org

Order from: Rosalinda O'Neill, AWS; roneill@aws.org

Send comments (with copy to BSR) to: Andrew Davis, AWS; adavis@aws.org

ESTA (Entertainment Services and Technology Association)

New Standards

BSR E1.4-200x, Entertainment Technology - Manual Counterweight Rigging Systems (new standard)

Describes the design and construction of manually powered counterweight rigging systems used in theatres. These systems are used to support and move scenery and lighting equipment.

Single copy price: Free

Obtain an electronic copy from:

http://www.esta.org/tsp/documents/public_review_docs.php

Order from: Karl Ruling, ESTA; standards@esta.org

Send comments (with copy to BSR) to: Same

BSR E1.22-200x, Entertainment Technology - Fire Safety Curtain Systems (new standard)

Describes the materials, fabrication, installation, operation, testing, and maintenance of fire safety curtain systems used for proscenium opening protection.

Single copy price: Free

Obtain an electronic copy from:

http://www.esta.org/tsp/documents/public_review_docs.php

Order from: Karl Ruling, ESTA; standards@esta.org

Send comments (with copy to BSR) to: Same

BSR E1.29-200x, Product Safety Standard for Theatrical Fog Generators that Create Aerosols of Water, Aqueous Solutions of Glycol or Glycerin, or Aerosols of Highly Refined Alkane Mineral Oil (new standard)

Helps guide product safety testing laboratories in evaluating fog-making equipment for design or construction defects that might create unacceptable hazards. It is based on ANSI/UL 998-2006, Humidifiers, with modifications. Products covered are theatrical fog generators rated 600 V or less, intended for use in professional theatrical entertainment, film and video production, theme parks, and fire safety training.

Single copy price: Free

Obtain an electronic copy from:

http://www.esta.org/tsp/documents/public_review_docs.php

Order from: Karl Ruling, ESTA; standards@esta.org

Send comments (with copy to BSR) to: Same

Reaffirmations

BSR E1.5-2003 (R200x), Entertainment Technology - Theatrical Fog Made with Aqueous Solutions of Di- and Trihydric Alcohols (reaffirmation of ANSI E1.5-2003)

Describes the composition of theatrical fogs or artificial mists that are not likely to be harmful to healthy performers, technicians, or audience members of normal working age, which is 18 to 64 years of age, inclusive.

Single copy price: Free

Obtain an electronic copy from:

http://www.esta.org/tsp/documents/public_review_docs.php

Order from: Karl Ruling, ESTA; standards@esta.org

Send comments (with copy to BSR) to: Same

GEIA (Government Electronics & Information Technology Association)

Revisions

BSR/EIA 836-A-200x, Configuration Management Data Exchange and Interoperability (revision of ANSI/EIA 836-A-200x)

Logically extends the Configuration Management (CM) principles of ANSI/EIA 649. The standard provides for interoperability between trading partners by establishing a common language for the exchange of data between dissimilar databases. The Data Dictionary, which is the normative portion of this standard, identifies standard terms, their definitions, and relationships. It provides a comprehensive data model that can be implemented in the World Wide Web Consortium (W3C) XML schema language, as shown in Annex D, in EXPRESS as defined in ISO 10303-11, or through other model representations.

Single copy price: \$304.00

Obtain an electronic copy from: www.geia.org and click on online store at top of page.

Order by Phone: (800) 699-9277

Send comments (with copy to BSR) to: Chris Denham, GEIA; cdenham@geia.org; standards@geia.org

HI (Hydraulic Institute)

Revisions

BSR/HI 2.3-200x, Rotodynamic Vertical Pumps for Design and Application (revision of ANSI/HI 2.3-2000)

Describes the design and application of vertical turbine, mixed flow, axial flow vertical diffuser, submersible motor deepwell and short-set pumps, types VSO, VS1, VS2, VS3, VS6, VS7 and VS8 that are driven by vertical electric motors or horizontal engines with right-angle gears. Excluded from the scope of this document are vertical in-line volute pumps; horizontal centrifugal pumps mounted vertically, such as sewage pumps; and vertical overhung impeller types VS4 and VS5.

Single copy price: \$135.00

Obtain an electronic copy from: kanderson@pumps.org

Order from: Karen Anderson, HI; kanderson@pumps.org

Send comments (with copy to BSR) to: Same

BSR/HI 3.1-3.5-200x, Rotary Pumps for Nomenclature, Definitions, Application and Operation (revision of ANSI/HI 3.1-3.5-2000)

Applies to industrial/commercial rotary positive displacement pumps. It includes: types and nomenclature; definitions; design and application; and installation, operation and maintenance. It does not include standards on magnetic drives for sealless pumps nor rotary pumps primarily used for Fluid Power applications.

Single copy price: \$105.00

Obtain an electronic copy from: kanderson@pumps.org

Order from: Karen Anderson, HI; kanderson@pumps.org

Send comments (with copy to BSR) to: Same

BSR/HI 9.6.4-200x, Rotodynamic Pumps for Vibration Measurements and Allowable Values (revision of ANSI/HI 9.6.4-2000)

Applies to the evaluation of vibration on rotodynamic pump applications absorbing more than 2 kw (3 hp) and of the types as indicated within the standard. This standard pertains to evaluation of vibration when the vibration measurements are made on nonrotating parts (bearing housing vibration). The general evaluation criteria are included for acceptance tests in field environments or at the manufacturer's test facility, as appropriate and as defined in the standard.

Single copy price: \$95.00

Obtain an electronic copy from: kanderson@pumps.org

Order from: Karen Anderson, HI; kanderson@pumps.org

Send comments (with copy to BSR) to: Same

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

Reaffirmations

BSR INCITS 371.1-2003 (R200x), Information technology - Real Time Locating Systems (RTLS) - Part 1: 2.4-GHz Air Interface Protocol (reaffirmation of ANSI INCITS 371.1-2003)

INCITS 371.1 is one of the two Air Interface Protocols, establishes a technical standard for an RTLS air protocol, specifically, RTLS transmitters operating in 2.4 GHz ISM frequency bands at appropriate license-free power levels for the US with broad international application.

Single copy price: \$30.00

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

Order from: Global Engineering Documents; www.global.ihc.com

Send comments (with copy to BSR) to: Deborah Spittle, ITI (INCITS); dspittle@itic.org

BSR INCITS 371.3-2003 (R200x), Information technology - Real Time Locating Systems (RTLS) - Part 3: Application Programming Interface (reaffirmation of ANSI INCITS 371.3-2003)

Defines an API specification that serves as a boundary across which application software uses facilities of programming languages to invoke the services of the RTLS Air Interface Protocol standard as defined by INCITS T20.

Single copy price: \$30.00

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

Order from: Global Engineering Documents; www.global.ihc.com

Send comments (with copy to BSR) to: Deborah Spittle, ITI (INCITS); dspittle@itic.org

INCITS/ISO/IEC 1989-2002 (R200x), Information Technology - Programming Languages - COBOL (reaffirmation of INCITS/ISO/IEC 1989-2002)

Specifies the syntax and semantics of COBOL. Its purpose is to promote a high degree of machine independence to permit the use of COBOL on a variety of data processing systems.

Single copy price: \$30.00

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

Order from: Global Engineering Documents; www.global.ihc.com

Send comments (with copy to BSR) to: Deborah Spittle, ITI (INCITS); dspittle@itic.org

INCITS/ISO/IEC 14882-2003 (R200x), Programming languages - C (reaffirmation of INCITS/ISO/IEC 14882-2003)

Specifies requirements for implementations of the C++ programming language. The first such requirement is that they implement the language, and so this International Standard also defines C++. Other requirements and relaxations of the first requirement appear at various places within this International Standard.

Single copy price: \$30.00

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

Order from: Global Engineering Documents; www.global.ihc.com

Send comments (with copy to BSR) to: Deborah Spittle, ITI (INCITS); dspittle@itic.org

Withdrawals

ANSI INCITS 371.2-2003, Information technology - Real Time Locating Systems (RTLS) - Part 2: 433-MHz Air Interface Protocol (withdrawal of ANSI INCITS 371.2-2003)

INCITS 371.2 is one of the two Air Interface Protocols, establishes a technical standard for an RTLS air protocol, specifically, RTLS transmitters operating in 433-MHz-frequency bands at appropriate license-free power levels for the US with broad international application.

Single copy price: \$30.00

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

Order from: Global Engineering Documents; www.global.ihc.com

Send comments (with copy to BSR) to: Deborah Spittle, ITI (INCITS); dspittle@itic.org

Stabilized Maintenance: See 3.3.3 of the ANSI Essential Requirements

BSR INCITS 118-1998 (S200x), Personal Identification Number - PIN Pad (stabilized maintenance of ANSI INCITS 118-1998 (R2003))

Identifies the fixed arrangement of the alphanumeric characters and keys of a PIN pad. The PIN pad is used by a customer to enter a Personal Identification Number (PIN) when requested as part of a transaction. As this standard is being submitted for stabilization maintenance, INCITS will consider requests for change and information on the submittal of such requests.

Single copy price: \$30.00

Obtain an electronic copy from:

<http://webstore.ansi.org/ansidocstore/find.asp>

Order from: Global Engineering Documents; www.global.ihc.com

Send comments (with copy to BSR) to: Deborah Spittle, ITI (INCITS); dspittle@itic.org

INCITS/ISO/IEC 7185-1990 (S200x), Programming Language PASCAL (stabilized maintenance of INCITS/ISO/IEC 7185-1990 (R2003))

Specifies the semantics and syntax of the computer programming language Pascal by specifying requirements for a processor and for a conforming program. Two levels of compliance are defined for both processors and programs. As this standard is being submitted for stabilization maintenance, INCITS will consider requests for change and information on the submittal of such requests.

Single copy price: \$30.00

Obtain an electronic copy from:

<http://webstore.ansi.org/ansidocstore/find.asp>

Order from: Global Engineering Documents; www.global.ihc.com

Send comments (with copy to BSR) to: Deborah Spittle, ITI (INCITS); dspittle@itic.org

TIA (Telecommunications Industry Association)

New Standards

BSR/TIA 41.331-E-200x, Mobile Application Part: Voice Feature Scenarios: Priority Access and Channel Assignment (PACA) (new standard)

Depicts the interactions between network entities in various situations related to automatic roaming and Password Call Acceptance (PCA). These scenarios are for illustrative purposes only.

Single copy price: \$52.00

Obtain an electronic copy from: pbogard@tiaonline.org

Order from: Global Engineering Documents; www.global.ihs.com

Send comments (with copy to BSR) to: Peter Bogard, TIA; pbogard@tiaonline.org

BSR/TIA 41.332-E-200x, Mobile Application Part: Voice Feature Scenarios: Remote Feature Control (new standard)

Depicts the interactions between network entities in various situations related to automatic roaming and Remote Feature Control (RFC). These scenarios are for illustrative purposes only.

Single copy price: \$49.00

Order from: Global Engineering Documents; www.global.ihs.com

Send comments (with copy to BSR) to: Peter Bogard, TIA; pbogard@tiaonline.org

Revisions

BSR/TIA 1096-RV1-200x, Telecommunications - Telephone Terminal Equipment - Connector Requirements for Connection of Terminal Equipment to the Telephone Network (revision of ANSI/TIA 1096-2006)

Outlines test methods for determining compliance with the requirements for hard gold contacts. Additionally, it outlines a test method for determining equivalency to hard gold plating performance for alternative contact materials.

Single copy price: \$113.00

Obtain an electronic copy from: www.global.ihs.com

Order from: Global Engineering Documents; www.global.ihs.com

Send comments (with copy to BSR) to: Ronda Coulter, TIA; rcoulter@tiaonline.org

UL (Underwriters Laboratories, Inc.)

Revisions

BSR/UL 414-200x, Standard for Safety for Meter Sockets (Proposals dated February 1, 2008) (revision of ANSI/UL 414-2006)

The following changes to requirements in UL 414 are being proposed:

- (a) Requirements for current carrying part of potential jaw assembly;
- (b) Update of conduit trade sizes in table 7.1;
- (c) Addition of requirements for anti-rejection clips;
- (d) Clarification of requirement for heating test for meter bypass;
- (e) Inclusion of reference to wiring space requirements for metering transformer cabinets; and
- (f) Addition of appendix for explanatory information regarding wire bending distance.

Single copy price: Contact comm2000 for pricing and delivery options

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

Order from: comm2000

Send comments (with copy to BSR) to: Derrick Martin, UL-CA; Derrick.L.Martin@us.ul.com

Reaffirmations

BSR/UL 2333-2003 (R200x), Standard for Safety for Infrared Thermometers (reaffirmation of ANSI/UL 2333-2003)

Proposes to administratively update the ANSI approval of the Standard for Safety for Infrared Thermometers. No technical changes are being proposed, nor have any been made since the date of the last ANSI approval.

Single copy price: Contact comm2000 for pricing and delivery options

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

Order from: comm2000

Send comments (with copy to BSR) to: Anna Russell, UL; anna.russell@us.ul.com

Comment Deadline: April 1, 2008

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

AGMA (American Gear Manufacturers Association)

New Standards

BSR/AGMA 6101-200x, Design and Selection of Components for Enclosed Gear Drives (Metric Edition) (new standard)

Outlines the basic practices for the design and selection of components (other than gearing) which are used in commercial and industrial enclosed gear drives. Discusses bearings, bolting, keys, and the most recent theories on shafting among other components.

Single copy price: \$30.00

Order from: Charles Fischer, AGMA; fischer@agma.org

Send comments (with copy to BSR) to: Same

ASME (American Society of Mechanical Engineers)

Revisions

BSR/ASME B107.42-200x, Hatchets and Axes (revision, redesignation and consolidation of ANSI/ASME B107.42M-1997 (R2004) and ANSI/ASME B107.55M-2002)

Provides performance and safety requirements for hatchets (that are intended specifically for use in driving unhardened nails or striking wood products or both; cutting, notching, and shaping wood products or wall board products, or both; cutting, spacing, and aligning soft roofing products, and pulling unhardened nails when the tool is provided with a nail slot) and axes (that are intended primarily for use in felling, trimming, and pruning trees; splitting and cutting wood; notching and shaping logs and timbers; driving wooden or plastic stakes; pulling unhardened nails when the tool is provided with a nail slot; or digging when the particular tool is provided with a digging blade).

Single copy price: \$20.00

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

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

Send comments (with copy to BSR) to: Jack Karian, ASME; karianj@asme.org

BSR/ASME PTC 4-200x, Fired Steam Generators (revision of ANSI/ASME PTC 4-1998)

Establishes procedures for conducting performance tests of fuel fired steam generators. The accuracy of a particular test may be affected by the fuel fired during the test or other factors within the discretion of the operator. A test is considered an ASME Code test only if the following conditions are met: test procedures comply with procedures and allowed variations defined by this Code. Uncertainties of test results, determined in accordance with Section 7.0 of this Code, do not exceed target test uncertainties defined by prior written agreement in accordance with Section 3.0 of this Code.

Single copy price: \$125.00

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

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

Send comments (with copy to BSR) to: Jack Karian, ASME; karianj@asme.org

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

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

ANSI/IEEE 1045-1993 (R2003), Software Productivity Metrics

ANSI/IEEE 1420.1-2002, Standard for Information Technology - Software Reuse - Data Model for Reuse Library Interoperability: Basic Interoperability Data Model (BIDM)

ANSI/IEEE 1534-2002, Recommended Practice for Specifying Thyristor Controlled Series Capacitors

ANSI/IEEE 1802.3-2001, Conformance Test Methodology for Carrier Sense Multiple Access with Collision Detection (CSMA/CD) Access Method and Physical Layer Specifications Type 10BASE-T MAU Conformance Testing - Section 6

Notice of Withdrawal: ANS at least 10 years past approval date

The following American National Standards have not been revised or reaffirmed within ten years from the date of their approval as American National Standards and accordingly are withdrawn:

ANSI/ABMA 12.2-1992 (R1998), Instrument Ball Bearings - Inch Design

Call for Comment Contact Information

The addresses listed in this section are to be used in conjunction with standards listed in Call for Comment. This section is a list of developers who have submitted standards for public review in this issue of *Standards Action* – it is not intended to be a list of all ANSI developers. Please send all address corrections to: Standards Action Editor, American National Standards Institute, 25 West 43rd Street, New York, NY 10036 or standact@ansi.org.

Order from:

ABYC

American Boat and Yacht Council
3069 Solomon's Island Road
Edgewater, MD 21037-1416
Phone: (410)
Web: www.abycinc.org/index.cfm

AGMA

American Gear Manufacturers
Association
500 Montgomery Street, Suite 350
Alexandria, VA 22314-1560
Phone: (703) 684-0211
Fax: (703) 684-0242
Web: www.agma.org

API (Organization)

American Petroleum Institute
1220 L Street, N.W.
Washington, DC 20005
Phone: (202) 682-8565
Fax: (202) 962-4797
Web: www.api.org

ASC X9

Accredited Standards Committee
X9, Incorporated
1212 West Street, Suite 200
Annapolis, MD 21401
Phone: (410) 267-7707
Fax: (410) 267-0961
Web: www.x9.org

ASME

American Society of Mechanical
Engineers
3 Park Avenue, 20th Floor (20N2)
New York, NY 10016
Phone: (212) 591-8521
Fax: (212) 591-8501
Web: www.asme.org

ATIS

ATIS
1200 G Street NW, Ste 500
Washington, DC 20005
Phone: 202-434-8841
Fax: 202-347-7125
Web: www.atis.org

AWS

American Welding Society
550 N.W. LeJeune Road
Miami, FL 33126
Phone: (800) 443-9353 x451
Fax: (800) 443-5951
Web: www.aws.org

comm2000

1414 Brook Drive
Downers Grove, IL 60515

ESTA

Entertainment Services and
Technology Association
875 Sixth Avenue, Suite 1005
New York, NY 10001
Phone: (212) 244-1505
Fax: (212) 244-1502
Web: www.esta.org

GEIA

Government Electronics &
Information Technology
Association
2500 Wilson Boulevard
Arlington, VA 22201
Phone: (703) 907-7566
Fax: (703) 907-7968
Web: www.geia.org

Global Engineering Documents

Global Engineering Documents
15 Inverness Way East
Englewood, CO 80112-5704
Phone: (800) 854-7179
Fax: (303) 379-2740

HI

Hydraulic Institute
9 Sylvan Way, Suite 180
Parsippany, NJ 07054-3802
Phone: (973) 267-9700
Fax: (973) 267-9055
Web: www.pumps.org

Send comments to:

ABYC

American Boat and Yacht Council
3069 Solomon's Island Road
Edgewater, MD 21037-1416
Phone: (410) 956-1050 ext 24
Fax: (410) 956-2737
Web: www.abycinc.org/index.cfm

AGMA

American Gear Manufacturers
Association
500 Montgomery Street, Suite 350
Alexandria, VA 22314-1560
Phone: (703) 684-0211
Fax: (703) 684-0242
Web: www.agma.org

API (Organization)

American Petroleum Institute
1220 L Street, N.W.
Washington, DC 20005
Phone: (202) 682-8565
Fax: (202) 962-4797
Web: www.api.org

ASC X9

Accredited Standards Committee
X9, Incorporated
1212 West Street, Suite 200
Annapolis, MD 21401
Phone: (410) 267-7707
Fax: (410) 267-0961
Web: www.x9.org

ASME

American Society of Mechanical
Engineers (ASME)
3 Park Avenue, 20th Floor
New York, NY 10016
Phone: (212) 591-8552
Fax: (212) 705-7196
Web: www.asme.org

ATIS

ATIS
1200 G Street NW, Ste 500
Washington, DC 20005
Phone: 202-434-8841
Fax: 202-347-7125
Web: www.atis.org

AWS

American Welding Society
550 N.W. LeJeune Road
Miami, FL 33126
Phone: (305) 443 9353 Ext. 466
(800) 443 9353 Ext. 466
Fax: (305) 443-5951
Web: www.aws.org

ESTA

Entertainment Services and
Technology Association
875 Sixth Avenue, Suite 1005
New York, NY 10001
Phone: (212) 244-1505
Fax: (212) 244-1502
Web: www.esta.org

GEIA

Government Electronics &
Information Technology
Association
2500 Wilson Boulevard
Arlington, VA 22201
Phone: (703) 907-7566
Fax: (703) 907-7968
Web: www.geia.org

HI

Hydraulic Institute
9 Sylvan Way, Suite 180
Parsippany, NJ 07054-3802
Phone: (973) 267-9700
Fax: (973) 267-9055
Web: www.pumps.org

ITI (INCITS)

INCITS Secretariat/ITI
1250 Eye Street, NW, Suite 200
Washington, DC 20005-3922
Phone: (202) 626-5746
Fax: (202) 638-4922
Web: www.incits.org

NSF

NSF International
789 Dixboro Road
Ann Arbor, MI 48105
Fax: 734-827-6831
Web: www.nsf.org

TIA

TIA
2500 Wilson Blvd
Arlington, VA 22201
Phone: 703 907-7974
Fax: 703 907-7728
Web: www.tiaonline.org

UL

Underwriters Laboratories
12 Laboratory Drive
RTP, NC 27709
Phone: 919-549-0973
Fax: 919-549-6114
Web: www.ul.com/

UL-CA

Underwriters Laboratories, Inc.
455 E Trimble Road
San Jose, CA 95131-1230
Phone: (408) 754-6500
Fax: (408) 689-6500

UL-IL

Underwriters Laboratories, Inc.
333 Pfingsten Road
Northbrook, IL 60062-2096
Phone: (847) 664-2850
Fax: (847) 313-2850

UL-NC

Underwriters Laboratories, Inc.
12 Laboratory Drive
Research Triangle Park, NC
27709-3995
Phone: (919) 549-1400 x11896
Fax: (919) 547-6180

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.

HI (Hydraulic Institute)

Office: 9 Sylvan Way, Suite 180
Parsippany, NJ 07054-3802

Contact: Karen Anderson

Phone: (973) 267-9700

Fax: (973) 267-9055

E-mail: kanderson@pumps.org

BSR/HI 2.3-200x, Rotodynamic Vertical Pumps for Design and Application (revision of ANSI/HI 2.3-2000)

BSR/HI 3.1-3.5-200x, Rotary Pumps for Nomenclature, Definitions, Application and Operation (revision of ANSI/HI 3.1-3.5-2000)

BSR/HI 9.6.4-200x, Rotodynamic Pumps for Vibration Measurements and Allowable Values (revision of ANSI/HI 9.6.4-2000)

MHI (ASC MH10) (Material Handling Industry)

Office: 8720 Red Oak Blvd., Suite 201
Charlotte, NC 28217-3992

Contact: Michael Ogle

Phone: (704) 676-1190

Fax: (704) 676-1199

E-mail: mogle@mhia.org

BSR MH10.8.13-200x, Material handling - Label testing procedures for pressure-sensitive adhesive labels to be used for bar codes, other markings, and as carriers for other AIDC media (new standard)

TIA (Telecommunications Industry Association)

Office: 2500 Wilson Blvd
Arlington, VA 22201

Contact: Ronda Coulter

Phone: 703 907-7974

Fax: 703 907-7728

E-mail: rcoulter@tiaonline.org; mkramarikova@tiaonline.org

BSR/TIA 1096-RV1-200x, Telecommunications - Telephone Terminal Equipment - Connector Requirements for Connection of Terminal Equipment to the Telephone Network (revision of ANSI/TIA 1096-2006)

UL (Underwriters Laboratories, Inc.)

Office: 455 E Trimble Road
San Jose, CA 95131-1230

Contact: Derrick Martin

Phone: (408) 754-6500

Fax: (408) 689-6500

E-mail: Derrick.L.Martin@us.ul.com

BSR/UL 414-200x, Standard for Safety for Meter Sockets (Proposals dated February 1, 2008) (revision of ANSI/UL 414-2006)

Final actions on American National Standards

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

AAMI (Association for the Advancement of Medical Instrumentation)

New National Adoptions

ANSI/AAMI/ISO 22442-1-2007, Medical devices utilizing animal tissues and their derivatives - Part 1: Application of risk management (identical national adoption of ISO 22442-1): 1/25/2008

ANSI/AAMI/ISO 22442-2-2007, Medical devices utilizing animal tissues and their derivatives - Part 2: Controls on sourcing, collection and handling (identical national adoption of ISO 22442-2): 1/25/2008

ANSI/AAMI/ISO 22442-3-2007, Medical devices utilizing animal tissues and their derivatives - Part 3: Validation of the elimination and/or inactivation of viruses and transmissible spongiform encephalopathy (TSE) agents (identical national adoption of ISO 22442-3): 1/25/2008

ASME (American Society of Mechanical Engineers)

New Standards

ANSI/ASME B30.24-2008, Container Cranes (new standard): 1/25/2008

Revisions

ANSI/ASME NQA-1-2008, Quality Assurance Requirements for Nuclear Facility Applications (revision of ANSI/ASME NQA-1-2004): 1/25/2008

ATIS (Alliance for Telecommunications Industry Solutions)

Revisions

ANSI ATIS 0900105-2008, Synchronous Optical Network (SONET) - Basic Description including Multiplex Structure, Rates and Formats (Includes T1.105a-2002 Supplement) (revision and redesignation of ANSI T1.105-2001 and ANSI T1.105a-2002): 1/25/2008

IEEE (ASC N42) (Institute of Electrical and Electronics Engineers)

New Standards

ANSI N42.48-2008, Performance Requirements for Spectroscopic Personal Radiation Detectors (SPRDs) (new standard): 1/25/2008

LIA (ASC Z136) (Laser Institute of America)

New Standards

ANSI Z136.7-2008, Testing and Labeling of Laser Protective Equipment (new standard): 1/25/2008

NEMA (ASC C8) (National Electrical Manufacturers Association)

Revisions

ANSI/ICEA T-26-465/NEMA WC 54-2007, Guide for Frequency of Sampling Extruded Dielectric Power, Control, Instrumentation, and Portable Cables for Test (revision of ANSI/ICEA T-26-465/NEMA WC 54-2000): 1/25/2008

TIA (Telecommunications Industry Association)

Addenda

ANSI/TIA 102.AABC-B-3-2008, Trunking Control Channel Messages Addendum for Supplementary Data ISSI (addenda to ANSI/TIA 102-AABC-B-2-2007): 1/25/2008

Project Initiation Notification System (PINS)

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

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

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

ADA (American Dental Association)

Office: 211 East Chicago Avenue
Chicago, IL 60611-2678

Contact: Sharon Stanford

Fax: (312) 440-2529

E-mail: stanfords@ada.org

BSR/ADA Specification No. 125-200x, Manual Interdental Brushes (national adoption with modifications of ISO 16409: 2006, Dentistry - Oral Hygiene Products - Manual Interdental brushes)

Stakeholders: Consumers, dental professionals, dental product manufacturers, and retailers.

Project Need: To ensure the available products meet acceptable levels of product safety and performance (usability).

Specifies requirements and test methods for performance criteria for manual interdental brushes with a round cross-section of the brush head. It also specifies the accompanying information, such as manufacturer's instructions for use and labeling of the packaging. This standard is not applicable to powered interdental brushes, manual toothbrushes, dental floss, tapes, and strings, nor is it applicable to interdental cleaners that do not include filaments.

MHI (ASC MH10) (Material Handling Industry)

Office: 8720 Red Oak Blvd., Suite 201
Charlotte, NC 28217-3992

Contact: Michael Ogle

Fax: (704) 676-1199

E-mail: mogle@mhia.org

ANSI MH10.8.4-2002, Unit Loads and Transport Packages - RFID Tags for Returnable Containers (withdrawal of ANSI MH10.8.4-2002)

Stakeholders: All users of current standard.

Project Need: To adopt ISO 17364 with dual designation and thus eliminate the need for MH10.8.4. AIAG approves of this measure.

ANS MH10.8.4 was approved in 2002. The only known industry to adopt MH10.8.4 has been the Automotive Industry Action Group (AIAG). In the ensuing years, ISO TC 122 has approved ISO 17364 - Supply chain applications of RFID - Returnable transport items. ASC MH 10/SC 8 intends to file for an ANSI ISO designation of 17364. The adoption of 17364 with dual designation eliminates the need for MH10.8.4. AIAG approves of this measure.

BSR MH10.8.13-200x, Material handling - Label testing procedures for pressure-sensitive adhesive labels to be used for bar codes, other markings, and as carriers for other AIDC media (new standard)
Stakeholders: Buyers, specifiers, providers and users of AIDC systems in material handling.

Project Need: To include label testing procedures that were not included in the transition from CEA to MH10.8 standards

Includes the language lost in the migration of CEA556 to MH10.8.1 and then to ANSI ISO 15394, CEA624 to MH10.8.6 and then to ANSI ISO 22742, CEA621 to MH10.8.7 and then to ANSI ISO 28219. This standard will also codify in an ANSI standard the valuable guidance provided in MIL-L-61002, Labels, pressure-sensitive adhesive, for bar codes and other markings.

TIA (Telecommunications Industry Association)

Office: 2500 Wilson Blvd., Suite 300
Arlington, VA 22201

Contact: Marianna Kramarikova

Fax: 703-907-7728

E-mail: mkramarikova@tiaonline.org

BSR/TIA 455-203-A-200x, Light Source Encircled Flux Measurement Method (revision and redesignation of ANSI/TIA 455-203-2001)

Stakeholders: Telecommunications Industry Association.

Project Need: To measure the launch characteristics of multimode data transmission sources and of light sources used to measure the insertion loss of installed multimode links.

This revision maintains the original document's purpose - to measure the launch characteristics of multimode data transmission sources, and also accommodates a new mission - the ability to measure the launch characteristics of light sources used to measure the insertion loss of installed multimode links.

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
- AAMVA
- AGA
- AGRSS, Inc.
- ASHRAE
- ASME
- ASTM
- MHI (ASC MH10)
- NBBPVI
- NCPDP
- NSF International
- TIA
- Underwriters Laboratories, Inc. (UL)

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, 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.

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



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 Henrietta Scully, at ANSI's New York offices. The final date for offering comments is listed after each draft.

Ordering Instructions

ISO Drafts can be made available via ANSI's ESS "on-demand" service. Please e-mail your request for an Iso Draft to Customer Service at sales@ansi.org. The document will be posted to the ESS within 3 working days of the request. When making your request, please provide the date of the Standards Action issue in which the draft document you are requesting appears.

ACOUSTICS (TC 43)

ISO/DIS 13474, Acoustics - Framework for calculating a distribution of sound exposure levels of impulsive sound events for purposes of environmental noise assessment - 5/1/2008, \$107.00

AGRICULTURAL FOOD PRODUCTS (TC 34)

ISO/DIS 16931, Animal and vegetable fats and oils - Determination of polymerized triglycerides by high-performance size-exclusion chromatography (HPSEC) - 4/25/2008, \$53.00

GAS CYLINDERS (TC 58)

ISO/DIS 28622, Pressure relief valves for transportable refillable cylinders for liquefied petroleum gas (LPG) - 4/25/2008, \$62.00

PLASTICS (TC 61)

ISO/DIS 11357-3, Plastics - Differential scanning calorimetry (DSC) - Part 3: Determination of temperature and enthalpy of melting and crystallization - 4/26/2008, \$53.00

ISO/DIS 25762, Plastics - Guidance on the assessment of fire characteristics and fire performance of fibre-reinforced composites - 4/25/2008, \$88.00

TIMBER STRUCTURES (TC 165)

ISO/DIS 20152-1, Timber structures - Bond performance of adhesives - Part 1: Basic requirements - 4/26/2008, \$93.00

WELDING AND ALLIED PROCESSES (TC 44)

ISO/DIS 5173, Destructive tests on welds in metallic materials - Bend tests - 4/25/2008, \$71.00

ISO/IEC JTC 1, Information Technology

ISO/IEC DIS 11889-1, Trusted Platform Module - Part 1: Overview - 5/25/2008, \$71.00

ISO/IEC DIS 11889-2, Trusted Platform Module - Part 2: Design principles - 5/25/2008, \$185.00

ISO/IEC DIS 11889-3, Trusted Platform Module - Part 3: Structures - 5/25/2008, \$194.00

ISO/IEC DIS 11889-4, Trusted Platform Module - Part 4: Commands - 5/25/2008, \$230.00



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. All paper copies are available from Global Engineering Documents.

CRYOGENIC VESSELS (TC 220)

[ISO 21011:2008](#), Cryogenic vessels - Valves for cryogenic service, \$68.00

FINE CERAMICS (TC 206)

[ISO 14704:2008](#), Fine ceramics (advanced ceramics, advanced technical ceramics) - Test method for flexural strength of monolithic ceramics at room temperature, \$108.00

[ISO 14705:2008](#), Fine ceramics (advanced ceramics, advanced technical ceramics) - Test method for hardness of monolithic ceramics at room temperature, \$85.00

FLUID POWER SYSTEMS (TC 131)

[ISO 8426:2008](#), Hydraulic fluid power - Positive displacement pumps and motors - Determination of derived capacity, \$74.00

ROAD VEHICLES (TC 22)

[ISO 7637-1/Amd1:2008](#), Road vehicles - Electrical disturbance by conduction and coupling - Part 1: Passenger cars and light commercial vehicles with nominal 12 V supply voltage - Electrical transient conduction along supply lines only - Amendment 1, \$15.00

[ISO 7637-2/Amd1:2008](#), Road vehicles - Electrical disturbance by conduction and coupling - Part 2: Commercial vehicles with nominal 24 V supply voltage - Electrical transient conduction along supply lines only - Amendment 1, \$15.00

[ISO 25981:2008](#), Road vehicles - Connectors for the electrical connection of towing and towed vehicles - Connectors for electronically monitored charging systems with 12 V or 24 V nominal supply voltage, \$68.00

THERMAL INSULATION (TC 163)

[ISO 23993:2008](#), Thermal insulation products for building equipment and industrial installations - Determination of design thermal conductivity, \$114.00

TRACTORS AND MACHINERY FOR AGRICULTURE AND FORESTRY (TC 23)

[ISO 15077:2008](#), Tractors and self-propelled machinery for agriculture - Operator controls - Actuating forces, displacement, location and method of operation, \$74.00

TYRES, RIMS AND VALVES (TC 31)

[ISO 3739-3:2008](#), Industrial tyres and rims - Part 3: Rims, \$53.00

WOOD-BASED PANELS (TC 89)

[ISO 18775:2008](#), Veneers - Terms and definitions, determination of physical characteristics and tolerances, \$85.00

ISO Technical Specifications

ANALYSIS OF GASES (TC 158)

[ISO/TS 29041:2008](#), Gas mixtures - Gravimetric preparation - Mastering correlations in composition, \$74.00

NON-DESTRUCTIVE TESTING (TC 135)

[ISO/TS 21432/Cor1:2008](#), Non-destructive testing - Standard test method for determining residual stresses by neutron diffraction - Corrigendum, FREE

ISO/IEC JTC 1, Information Technology

[ISO/IEC 9796-2/Amd1:2008](#), Information technology - Security techniques - Digital signature schemes giving message recovery - Part 2: Mechanisms using a hash-function - Amendment 1, \$15.00

[ISO/IEC 23001-2:2008](#), Information technology - MPEG systems technologies - Part 2: Fragment request units, \$97.00

Proposed Foreign Government Regulations

Call for Comment

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

The National Center for Standards and Certification Information (NCSCI) at the National Institute of Standards and Technology

(NIST), distributes these proposed foreign technical regulations to U.S. stakeholders via an online service, Notify U.S. Notify U.S. is an e-mail and Web service that allows interested U.S. parties to register, obtain notifications, and read full texts of regulations from countries and for industry sectors of interest to them. To register for Notify U.S., please go to Internet URL:

<http://www.nist.gov/notifyus/> and click on "Subscribe".

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

Information Concerning

American National Standards

INCITS Executive Board

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

The InterNational Committee for Information Technology Standards (INCITS), an ANSI accredited SDO, is the forum for information technology developers, producers and users to create and maintain 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 30+ 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 all membership categories:

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

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.

Standards for Withdrawal

ANSI/IEEE

The following standards were withdrawn by the Accredited Standards Developer:

ANSI/IEEE 1045-1993 (R2003), Standard for Software Productivity Metrics

ANSI/IEEE 1420.1-2002, Standard for Information Technology – Software Reuse – Data Model for Reuse Library Interoperability: Basic Interoperability Data Model (BIDM)

ANSI/IEEE 1534-2002, Recommended Practice for Specifying Thyristor-Controlled Series Capacitors

ANSI/IEEE 1802.3-2002, Conformance Test Methodology for IEEE Standards for Local and Metropolitan Area Networks – Specific Requirements – Part 3: Carrier Sense Multiple Access with Collision Detection (CSMA/CD) Access Method and Physical Layer Specifications

ANSI Accredited Standards Developers

Application for Accreditation

National Organization for Competency Assurance (NOCA)

Comment Deadline: March 3, 2008

The National Organization for Competency Assurance (NOCA), a new ANSI Organizational Member, has submitted an application for accreditation as a developer of American National Standards. NOCA's proposed scope of standards activity is as follows:

NOCA's standards development scope of activity covers credentialing, issuance of certificates and other forms of conformity assessment and evaluation practices related to the development of: knowledge and competencies required for a given profession; educational programs leading to the issuance of a certificate; and the validation that an individual has achieved the specified learning objectives of the educational program and/or knowledge and competency levels of the profession.

To obtain a copy of NOCA's proposed operating procedures, or to offer comments, please contact: Mr. James Kendzel, Executive Director, National Organization for Competency Assurance, 2025 M Street, NW, Suite 800, Washington, DC 20036-3309; PHONE: (202) 367-1218; FAX: (202) 367-2133; E-mail: jkendzel@noca.org. Please submit your comments to NOCA by March 3, 2008, with a copy to the Recording Secretary, ExSC in ANSI's New York Office (FAX: (212) 840-2298; E-mail: Jthompso@ANSI.org). As the proposed procedures are available electronically, the public review period is 30 days. You may view or download a copy of NOCA's proposed operating procedures from ANSI Online during the public review period at the following URL: <http://publicaa.ansi.org/sites/apdl/Documents/Forms/AllItems.aspx?RootFolder=%2fsites%2fapdl%2fDocuments%2fStandards%20Activities%2fPublic%20Review%20and%20Comment%2fANS%20Accreditation%20Actions&View=%7b21C60355%2dAB17%2d4CD7%2dA090%2dBABEEC5D7C60%7d>.

Reaccreditations

CSA America, Inc.

Comment Deadline: March 3, 2008

CSA America Inc. has submitted consolidated/ revised operating procedures for documenting consensus on proposed American National Standards. CSA America currently maintains two sets of accredited operating procedures, and has characterized this revision as follows:

...This document retains all of the substance of the current approved procedures but accomplishes the following:

- Combines the two sets of approved operating procedures used by CSA America into one
- Provides an updated scope to include gas equipment, appliances & accessories, alternative energy and built environment applications
- Establishes the procedures for the continued upkeep of all CSA America Technical Committees within the scope
- Incorporates current stand alone policies for Commercial Terms and Conditions, Metrication, Patent Policy and Interpretations into the procedures document
- Re-orders the content to follow the ANSI Essential Requirements: Due process requirements for American National Standards documents
- Includes coverage found absent during the March 2007 ANSI audit...

As these revisions appear to be substantive in nature, the reaccreditation process is initiated

To obtain a copy of CSA America Inc.'s revised/consolidated operating procedures, or to offer comments, please contact: Ms. Kelly Adamovich, Manager, Operations, CSA America Inc., 8501 East Pleasant Valley Road, Cleveland, OH 44131-5575; PHONE: (216) 524-4990; FAX: (216) 520-8979; E-mail: Kelly.Adamovich@CSA-America.org. You may view/download a copy of the revisions during the public review period at the following URL:

<http://publicaa.ansi.org/sites/apdl/Documents/Forms/AllItems.aspx?RootFolder=%2fsites%2fapdl%2fDocuments%2fStandards%20Activities%2fPublic%20Review%20and%20Comment%2fANS%20Accreditation%20Actions&View=%7b21C60355%2dAB17%2d4CD7%2dA090%2dBABEEC5D7C60%7d>.

Please submit any comments to CSA America by March 3, 2008, with a copy to the ExSC Recording Secretary in ANSI's New York Office (FAX: (212) 840-2298; E-mail: Jthompso@ANSI.org).

Institute of Electrical and Electronics Engineers (IEEE)

Comment Deadline: March 3, 2008

The Institute of Electrical and Electronics Engineers (IEEE) has submitted revisions to its IEEE-SA Standard Board Bylaws and IEEE-SA Standards Board Operations Manual, under which it was last reaccredited. As these revisions appear to be substantive in nature, the reaccreditation process is initiated.

To obtain a copy of IEEE's revised bylaws and procedures, or to offer comments, please contact: Mr. David Ringle, Program Manager, Governance, Policy & Procedures, IEEE Standards Activities Department, 445 Hoes Lane, Piscataway, NJ 08854; PHONE: (732) 562-3806; FAX: (732) 875-0524; E-mail: d.ringle@ieee.org. You may view/download a copy of the revisions during the public review period at the following URL:

<http://publicaa.ansi.org/sites/apdl/Documents/Forms/AllItems.aspx?RootFolder=%2fsites%2fapdl%2fDocuments%2fStandards%20Activities%2fPublic%20Review%20and%20Comment%2fANS%20Accreditation%20Actions%2fFebruary%201%20%2d%20March%203%2c%202008%20Public%20Review%20Period&View=%7b21C60355%2dAB17%2d4CD7%2dA090%2dBABEEC5D7C60%7d>.

Please submit your comments to IEEE by March 3, 2008, with a copy to the Recording Secretary, ExSC in ANSI's New York Office (FAX: (212) 840-2298; E-mail: Jthompso@ANSI.org).

ANSI Accreditation Program for Third Party Production Certification Agencies

Directory of Product Certification Accreditation Program Applicants

Application for Accreditation

Instituto Falcao Bauer da Qualidade (IFBQ - Falcon Bauer Institute of Quality)

Comment Deadline: March 3, 2008

Instituto Falcao Bauer da Qualidade (IFBQ - Falcon Bauer Institute of Quality)
Rua Aquinos, 111
Predio II - CJ. 11 - Agua Branca
Sao Paulo, SP
CEP 05036-070
Brazil

Instituto Falcao Bauer da Qualidade (IFBQ - Falcon Bauer Institute of Quality) has submitted a formal application for accreditation by ANSI for the following scopes:

- Biofuels
- Mineral Water

Please send your comments by March 3, 2008 to Reinaldo Balbino Figueiredo, Program Director, Product Certifier Accreditation, American National Standards Institute, 1819 L Street, NW, 6th Floor, Washington, DC 20036, FAX: (202) 293-9287 or E-mail: rfigueir@ansi.org.

International Organization for Standardization (ISO)

Call for International (ISO) Secretariat

ISO/TC 86/SC 7 – Testing and Rating of Commercial Refrigerated Display Cabinets

Comment Deadline: February 15, 2008

ANSI has been advised The Air Conditioning and Refrigeration Institute (ARI) wishes to serve as delegated ANSI Secretariat for the above ISO subcommittee that was relinquished by the British Standards Institute (BSI).

This SC is covered by the scope of the main Technical Committee (ISO/TC 86), having the following scope:

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

Anyone wishing to comment on the delegation of the International Secretariat to ARI please contact Henrietta Scully, ANSI, via e-mail, hscully@ansi.org, by February 15th.

Proposal for a New Field of ISO Technical Work Industrial Furnaces and Associated Thermal Processing Equipment

Comment Deadline: February 22, 2008

JISC (Japan) has submitted to ISO a new field of ISO technical activity on Industrial Furnaces and Associated Thermal Processing Equipment, with the following proposed scope:

Standardization of the requirements for Industrial Furnaces and Associated Thermal Processing Equipment, which include heated enclosures (add heat sources) such as furnaces, ovens, kilns, lehrs and dryers, and heating equipment such as burners, heating control equipment for industrial use excluding electro heat installations.

A copy of the proposal can be obtained for review by contacting Henrietta Scully, ANSI, via e-mail at hscully@ansi.org.

Responses on the proposal should be sent to Steven Cornish, ANSI, via e-mail: scornish@ansi.org by COB February 22, 2008. Comments received will be compiled and presented for ANSI's International Committee endorsement to be submitted to ISO.

International Electrotechnical Commission (IEC)

USNC/IEC Non-Member of 18 IEC TCs/SCs

The U.S. National Committee/IEC is currently registered as a non-member of the following 18 IEC Technical Committees and Subcommittees and an effort has been launched to determine if any interest exists for establishing Technical Advisory Groups in these areas and registering as a Participating Member in any of the related Committees.

IEC/TC 3, Information Structures, Documentation and Graphical Symbols

IEC/SC 3C, Graphical Symbols for Use on Equipment

IEC/SC 3D, Data Sets for Libraries

IEC/TC 5, Steam Turbines

IEC/TC 7, Overhead Electrical Conductors

IEC/SC 22E, Power Electronic Systems and Equipment/Stabilized Power Supplies

IEC/SC 22F, Power Electronic Systems and Equipment/Power Electronics for Electrical Transmission and Distribution Systems

IEC/TC 28, Insulation Co-ordination

IEC/SC 36A, Insulators/Insulated Bushings

IEC/TC 39, Electronic Tubes

IEC/SC 59C, Performance of Household and Similar Electrical Appliances/Heating Appliances

IEC/SC 59L, Performance of Household and Similar Electrical Appliances/Small Household Appliances

IEC/SC 61B, Safety of Household and Similar Electrical Appliances/Safety of Household Microwave Ovens

IEC/SC 61E, Safety of Household and Similar Electrical Appliances/Safety of Electrical Commercial Catering Equipment

IEC/SC 61H, Safety of Household and Similar Electrical Appliances/Safety of Electrical Operated Farm Appliances

IEC/TC 73, Short Circuit Currents

IEC/TC 97, Electrical Installations for Lighting and Beacons of Aerodromes

IEC/TC 103, Transmitting Equipment for Radiocommunications

Anyone who has an interest in any of these IEC TCs/SCs and wishes additional information is invited to contact: Rafael Lourenco, Deputy General Secretary, USNC/IEC, ANSI, PHONE: (212) 642-4892, E-Mail: rlourenco@ansi.org.

Meeting Notice

Call for Meeting of the ASSE (Z359):

The next meeting of the Z359 Committee for Fall Protection/Arrest will take place April 8-10, 2008 at ASSE Headquarters in Des Plaines, Illinois. We will start at 8:00 a.m. and conclude at 4:30 p.m. on the first two days, and on Thursday we will start at 7:30 a.m. and conclude at 2:30 p.m. Subgroup meetings will take place during the first two days with the main committee meeting on the last day. For more information, contact: Timothy Fisher, American Society of Safety Engineers (ASSE): PHONE: (847) 768-3411. Email: TFisher@ASSE.Org.

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NSF/ANSI 14 – 2007

Plastics piping system components and related materials

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7 Requirements for potable water plastic piping system components and related materials

7.1 General

Materials, compounds, products, and formulations shall comply with the applicable requirements of NSF/ANSI 61 as referenced in 2 of this Standard.

7.2 Requirements for generic ingredients

Generic ingredients for use in PVC potable water pipe and fitting compounds shall meet the requirements of this section.

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7.3 Requirements for lead

There shall be no lead added as an intentional ingredient in any product, material, ingredient or system component submitted for evaluation to this standard, with the exception of brass or bronze meeting the definition of “lead free” under the specific provisions of the Safe Drinking Water Act of the United States, as amended in 1986.¹³

7.34 Monitoring

In addition to the physical and performance monitoring requirements specified in 5.6, plastic piping system components and related materials intended for potable water shall be monitored annually to ensure compliance with NSF/ANSI 61, except as permitted in 9.8 for solvent cements and primers. PVC and CPVC pipe, tubing, fittings, and appurtenances intended for potable water shall also be tested a minimum of three times annually for RVCM. Appurtenances produced using a material or compound that is also being used to produce fittings subject to these requirements do not require separate monitoring for RVCM. RVCM in PVC and CPVC potable water piping products shall not exceed 3.2 mg/kg.

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¹³ Safe Drinking Water Act of 1986 Section 1417(a)(1) www.epa.gov/ogwdw/sdwa

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Plumbing system components for recreational vehicles

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12 Self-contained, recirculating, chemically controlled toilets

12.1 Scope

Toilets covered by this section are self-contained, electrically operated, recirculating, and chemically controlled for use in recreational vehicles.

12.2 Applicable standards

Toilets covered by this Section shall meet the requirements of IAPMO TS 12, Section 6 (Function Test) ~~comply with IAPMO TS 12.~~

12.3 Marking and identification

Toilets shall be clearly and permanently marked with the following:

- manufacturer's name; and
- model number.
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Plumbing system components for recreational vehicles

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11 Mechanical seal toilets

11.1 Scope

Mechanical seal toilets covered by this Section are to be connected to the potable water system and the sanitary drainage system in recreational vehicles.

11.2 Materials

Vitreous china shall comply with requirements of ASME A112.19.2M. Plastics, if used, shall comply with the requirements of ANSI Z124.4, except Section 4 (Structural Strength and Integrity) and section 5.3 (Wear and Cleanability). Metals shall be corrosion resistant.

11.3 Design and construction

11.3.1 Bodywaste outlet and passages shall be sized to pass a 2-³/₄-in (69.9-mm) diameter ball, and have impervious surfaces. They shall be free of obstructions, recesses, or chambers that permit fouling. The mechanical seal and seat shall have leakproof seals.

11.3.2 Fixture bases shall be mounted on acceptable closet flanges with gaskets to provide gas- and watertight seals.

11.3.3 Flushing mechanisms shall insure adequate cleansing of interior surfaces during flushing cycle at minimum operating pressures.

11.3.4 At least 1 in (25.4 mm) of water shall be retained in the bowl after flushing.

11.3.5 A single control shall be used for flushing and refilling.

11.3.6 The mechanical seal mechanism shall withdraw completely from the path of waste discharge during flushing.

11.3.7 The water flushing mechanism and components shall be accessible for adjustment, repair, and replacement.

11.3.8 An overflow in the toilet shall be optional when the toilet is equipped with an inlet opening at least nominal 2 in (12.7 mm) in diameter. The overflow line shall be at least a nominal 2-in diameter or less, if the diameter will take full discharge of supply valve, and form a trap with a seal at least 2 in (50.8 mm) deep and be accessible for cleaning. The trap may have a drain fitting. The overflow outlet shall discharge beneath the mechanical seal. A portion of the water in the overflow trap shall be replaced with fresh water at each flushing.

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Issue 3 draft 1 (January 2008)

11.3.9 The toilet shall have an acceptable backflow preventer installed on the discharge side of the last control valve in the supply line, and be protected from physical damage and contamination.

11.4 Performance

11.4.1 The toilet shall operate at a minimum flow pressure of 8 psig (55.2 kPa) and a maximum static pressure of 100 psig (690 kPa).

11.4.2 During flushing, a clean bowl shall be completely covered with a film of water 1.5 in (38.1 mm) below the flushing rim.

11.4.3 The toilet shall be subjected to 1000 continuous cycles at a minimum of 20 psi (138 kPa) static pressure without failure.

11.4.4 Toilet bowls shall not lose more than 10 percent of water volume when operated according to the manufacturer's instructions and tested at 73 °F ± 3 °F (23 °C) for at least 24 h.

12 Self-contained, recirculating, chemically controlled toilets

12.1 Scope

Toilets covered by this section are self-contained, electrically operated, recirculating, and chemically controlled for use in recreational vehicles.

12.2 Applicable standards

Toilets covered by this Section shall comply with IAPMO TS 12.

12.3 Materials

Vitreous china shall comply with requirements of ASME A112.19.2M. Plastics, if used, shall comply with the requirements of ANSI Z124.4 where Section 4 (Structural Strength and Integrity) and section 5.3 (Wear and Cleanability) are not applicable.

12.34 Marking and identification

Toilets shall be clearly and permanently marked with the following:

- manufacturer's name; and
- model number.
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Plumbing system components for recreational vehicles

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1.3 Normative references

The following reference documents contain requirements that constitute requirements of this NSF/ANSI Standard. At the time of publication, the indicated editions were valid. All documents are subject to revision, and it is the responsibility of the user of this specification to determine the applicability of the most recent editions of these documents.

ANSI Z124.1 – 95. Plastic Bathtub Units¹

ANSI Z124.2 – 95. Plastic Shower Receptors and Shower Stalls³

ANSI Z124.3 – 95. Plastic Lavatories³

ANSI Z124.4 – 96. Plastic Water Closet Bowls and Tanks³

ANSI/ASSE 1001-02. Performance Requirements for Atmospheric Type Vacuum Breakers²

ANSI/ASSE 1002 – 99. Anti-siphon Fill Valves for Gravity Water Closet Flush Tanks⁴

ANSI/ASSE 1051 – 02. Individual and Branch Type Air Admittance Valves for Sanitary Drainage Systems⁴

ASME A112.18.2 – 2002. Plumbing Fixtures Waste Fittings³

ASME 112.18.3 2002 – 2003. Performance Requirements for Backflow Devices and Systems in Plumbing Fixture Fittings⁵

ASME A112.19.2M – 1998. Vitreous China Plumbing Fixtures⁵

ASME A112.19.3 – 2001. Stainless Steel Plumbing Fixtures (Designed for Residential Use)⁵

ASME 2004. Boiler and Pressure Vessel Code⁵

ASTM D543-95(2001). Standard Practices for Evaluating the Resistance of Plastics to Chemical Reagents⁴

ASTM D1384-01. Standard Test Method for Corrosion Test for Engine Coolants in Glassware⁶

ASTM D2444-99. Standard Test Method for Determination of the Impact Resistance of Thermoplastic Pipe and Fittings by Means of a Tup (Falling Weight)⁶

¹ American National Standards Institute (ANSI), 11 West 42nd St., New York, NY 10036

² ASSE International Office, 901 Canterbury, Suite A, Westlake, OH 44145

³ The American Society for Mechanical Engineers (ASME) International, Three Park Avenue, New York, NY 10016-5990

⁴ ASTM International, 100 Barr Harbor Drive, West Conshohocken, PA 19428-2959

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ASTM E202-00. Standard Test Methods for Analysis of Ethylene Glycols and Propylene Glycols⁶

Code of Federal Regulations, Title 21 CFR, Section 170-199. Food and Drug Administration, Department of Health and Human Services⁵

IAPMO PS 033-2000a. Flexible PVC Hose for Pools, Hot Tubs, Spas, and Jetted Bathtubs⁶

IAPMO TS 1-2005. Mechanical Seal Toilets for Use in Recreational Vehicles⁸

IAPMO TS 12-97e1. Self-Contained, Electrically Operated Recirculating Chemically Controlled Toilet⁸

IEEE/ASTM SI 10 – 1997. Standard for the Use of the International System of Units (SI): The Modern Metric System⁷

NFPA 119.2 – 2002. Standard on Recreational Vehicles⁸

NSF/ANSI 14 – 2004. Plastics piping system components and related materials

NSF/ANSI 61 – 2004. Drinking water system components – Health effects

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11 Mechanical seal toilets

11.1 Scope

Mechanical seal toilets covered by this Section are to be connected to the potable water system and the sanitary drainage system in recreational vehicles.

11.2 Materials

Vitreous china shall comply with requirements of ASME A112.19.2M. Plastics, if used, shall comply with the requirements of ANSI Z124.4. Metals shall be corrosion resistant.

11.3 Design and construction

11.3.1 Bodywaste outlet and passages shall be sized to pass a 2- $\frac{3}{4}$ -in (69.9-mm) diameter ball, and have impervious surfaces. They shall be free of obstructions, recesses, or chambers that permit fouling. The mechanical seal and seat shall have leakproof seals.

11.3.2 Fixture bases shall be mounted on acceptable closet flanges with gaskets to provide gas- and watertight seals.

11.3.3 Flushing mechanisms shall insure adequate cleansing of interior surfaces during flushing cycle at minimum operating pressures.

⁵ U.S. Food and Drug Administration 5600 Fishers Lane, Rockville MD 20857-0001

⁶ International Association of Plumbing and Mechanical Officials (IAPMO), 5001 E. Philadelphia St., Ontario, CA 91761

⁷ Institute of Electrical and Electronics Engineers, Inc., 445 Hoes Lane, Piscataway, NJ 08854

⁸ National Fire Protection Association (NFPA), 1 Batterymarch Park, PO Box 9101, Quincy, MA 02269

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11.3.4 At least 1 in (25.4 mm) of water shall be retained in the bowl after flushing.

11.3.5 A single control shall be used for flushing and refilling.

11.3.6 The mechanical seal mechanism shall withdraw completely from the path of waste discharge during flushing.

11.3.7 The water flushing mechanism and components shall be accessible for adjustment, repair, and replacement.

11.3.8 An overflow in the toilet shall be optional when the toilet is equipped with an inlet opening at least nominal 2 in (12.7 mm) in diameter. The overflow line shall be at least a nominal 2-in diameter or less, if the diameter will take full discharge of supply valve, and form a trap with a seal at least 2 in (50.8 mm) deep and be accessible for cleaning. The trap may have a drain fitting. The overflow outlet shall discharge beneath the mechanical seal. A portion of the water in the overflow trap shall be replaced with fresh water at each flushing.

11.3.9 The toilet shall have an acceptable backflow preventer installed on the discharge side of the last control valve in the supply line, and be protected from physical damage and contamination.

11.4 Performance

11.4.1 The toilet shall operate at a minimum flow pressure of 8 psig (55.2 kPa) and a maximum static pressure of 100 psig (690 kPa).

11.4.2 During flushing, a clean bowl shall be completely covered with a film of water 1.5 in (38.1 mm) below the flushing rim.

11.4.3 The toilet shall be subjected to 1000 continuous cycles at a minimum of 20 psi (138 kPa) static pressure without failure.

11.4.4 Toilet bowls shall not lose more than 10 percent of water volume when operated according to the manufacturer's instructions and tested at 73 °F ± 3 °F (23 °C) for at least 24 h.

11.5 Load Test

Toilets shall meet the requirements of IAPMO TS-1, Section 5.8. Tanks shall meet the requirements of IAPMO TS-1, Section 5.9.

12 Self-contained, recirculating, chemically controlled toilets

12.1 Scope

Toilets covered by this section are self-contained, electrically operated, recirculating, and chemically controlled for use in recreational vehicles.

12.2 Applicable standards

Toilets covered by this Section shall comply with IAPMO TS 12.

12.3 Load Test

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Toilets shall meet the requirements of IAPMO TS-1, Section 5.8. Tanks shall meet the requirements of IAPMO TS-1, Section 5.9.

12.34 Marking and identification

Toilets shall be clearly and permanently marked with the following:

- manufacturer's name; and
- model number.

BSR/UL 1123 – CHILDREN’S INFORMATION PLACARD PROPOSAL

Only the table relating to "Select the Right PFD for your child!" within Figure 36A.9, Important information about children's PFDs, is shown. This table includes additional substantive changes that are being proposed per comments received.

Select the Right PFD for your Child!

When choosing a PFD for your child, understand that different types of PFDs have various strengths and limitations, including:

<u>TYPE</u>	<u>FIT</u>	<u>USE CONDITIONS</u>
Type I PFDs	Unless a hybrid*, more bulky and less comfortable than either Type II or Type III PFDs.	Type I PFDs have the greatest ability to turn a child "face-up".
Type II PFDs	Typically comfortable, but more bulky than Type III PFDs.	Type II PFDs will turn only some children to a "face-up" position.
Type III PFDs	Least bulky and most comfortable for continuous wear.	Type III PFDs are NOT designed to turn a child "face-up" in the water. They provide good support to children with some swimming skills.
Type V PFDs	May be a substitute for a Type I, II or III (as marked on PFD label).	Examples may be an <u>are Type V Swimwear PFDs with Type III performance swimsuit style that provide with</u> enhanced wearability.
<i>* Hybrid devices may combine improved comfort with enhanced in-water performance</i>		

BSR/UL 1278**Standard for Movable and Wall- or Ceiling-Hung Electric Room Heaters****62A Production Leakage Test (Of Fluid-Filled Air Heaters)**

62A.1 Each ~~Of fluid-Filled Air-H~~heater body shall be tested and proved tight at two times the working pressure determined during the Normal Temperature Test.

Exception: A method other than pressure testing ~~at the design pressure~~ may be employed if it can be demonstrated that the alternate test method produces results that are at least equivalent to the pressure test method.

62B Hydrostatic Test

62B.1 One ~~sample heater~~ of each size and type shall be selected for every ~~40,000~~ 5,000 products manufactured or a ~~sample heater~~ shall be selected and tested at least once every ~~three~~ months.

62B.2 The ~~sample heater~~ shall be filled with ~~water~~ air or the heat transfer fluid used for the heater ~~to exclude air and are is~~ to be connected to a pneumatic or hydraulic pump, as applicable. The pressure is to be raised gradually to five times the maximum pressure recorded during the abnormal operation tests, and is to be held at that value for one minute. The results are not in compliance if a part ruptures or leaks.

Exception: A method other than pressure testing may be employed if it can be demonstrated that the alternate test method produces results that are at least equivalent to the pressure test method.