



ANSI STANDARDS ACTION

PUBLISHED WEEKLY BY THE AMERICAN NATIONAL STANDARDS INSTITUTE 25 West 43rd Street, NY, NY 10036

VOL. 33, #42

November 29, 2002

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available via the World Wide Web**

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downloaded from the following web address:
http://www.ansi.org/rooms/room_14/

American National Standards

Call for comment on proposals listed

This section solicits your comments on proposed draft new American National Standards, including the national adoption of ISO and IEC 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 should 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.

★ Standard for consumer products

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

Comment Deadline: December 29, 2002

NSF (NSF International)

Revisions

BSR/NSF 184-200x, Residential Dishwashers (i1) (revision of ANSI/NSF 184 (i1)-2001)

Revise section 6. (see attached for 30-day review.)

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

Send comments (with copy to BSR) to: Mark Connors, NSF; connors@nsf.org

Comment Deadline: January 13, 2003

API (American Petroleum Institute)

Revisions

BSR/API 541-200x, Form Wound Squirrel Cage Induction Motors Larger Than 500 Horsepower, 4th Edition (revision of ANSI/API 541-1996)

Covers the minimum requirements for all form-wound squirrel-cage induction motors larger than 500 horsepower for use in petroleum industry services. This standard may be applied to adjustable speed motors and induction generators with appropriate attention to the specific requirements of such applications

Single copy price: \$50.00

Obtain an electronic copy from: soffrind@api.org

Order from: David Soffrin, API; soffrind@api.org

Send comments (with copy to BSR) to: Same

ASAE (American Society of Agricultural Engineers)

Revisions

BSR/ASAE S315.3-200x, Twine for Automatic Balers (revision and redesignation of ANSI/ASAE S315.2-DEC82 (RJUNE 00))

Provides uniform sisal and polyolefin agricultural twine specifications which will insure satisfactory performance in a properly adjusted baler knoter and have adequate durability in normal storage and handling of the baled material. This standard covers twines manufactured for use in small square and large square automatic tie balers. The intention of this Standard is to allow freedom in the use of materials and manufacturing processes.

Single copy price: \$30.00

Obtain an electronic copy from: cedarq@asae.org

Order from: Scott Cedarquist, ASAE; cedarq@asae.org

Send comments (with copy to BSR) to: Same

ASME (American Society of Mechanical Engineers)

Revisions

BSR/ASME STS-1-200x, Steel Stacks (revision of ANSI/ASME STS-1-2000)

Mechanical design includes sizing of the gas passage, both in diameter and height; and the drop in gas temperature as heat is transferred through the stack wall. Methods for calculating draft, draft losses, and heat losses are given. Differential expansion of stack components is discussed. Design considerations for stack appurtenances are established.

Single copy price: \$45.00

Obtain an electronic copy from: rodriguez@asme.org

Order from: Silvana Rodriguez-Bhatti, ASME; rodriguez@asme.org

Send comments (with copy to BSR) to: Edgar Maradiaga, ASME; maradiaga@asme.org

ITI (INCITS)

New National Adoptions

BSR/ISO/IEC 9796-2-2002, Information technology - Security techniques - Digital signature schemes giving message recovery - Part 2: Integer factorization based mechanisms (identical national adoption)

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.

Single copy price: \$84.00

Obtain an electronic copy from:

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

Order from: ANSI

Send comments (with copy to BSR) to: Barbara Bennett, bbennett@itic.org

BSR/ISO/IEC 22091-2002, Information technology - Streaming Lossless Data Compression algorithm (SLDC) (identical national adoption)

Specifies a lossless compression algorithm to reduce the number of 8-bit bytes required to represent data records and File Marks. The algorithm is known as Streaming Lossless Data Compression algorithm (SLDC). One buffer size (1 024 bytes) is specified. The numerical identifier according to ISO/IEC 11576 allocated to this algorithm is 6.

Single copy price: \$30.00

Obtain an electronic copy from:

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

Order from: ANSI

Send comments (with copy to BSR) to: Barbara Bennett, bbennett@itic.org

NEMA (ASC C37) (National Electrical Manufacturers Association)

Revisions

BSR C37.57-200x, Switchgear - Metal-Enclosed Interrupter Switchgear Assemblies - Conformance Testing (revision of ANSI C37.57-1990 (R1996))

Describes selected tests and procedures to demonstrate conformance in accordance with Section 6 of Tests, of American National Standard for Metal-Enclosed Interrupter Switchgear, ANSI/IEEE C37.20.3-2001.

Single copy price: \$44.00

Obtain an electronic copy from: <http://global.ihs.com/>

Order from: Global Engineering Documents; <http://global.ihs.com/>

Send comments (with copy to BSR) to: John Collins, NEMA (ASC C37); joh_collins@nema.org

BSR C37.58-200x, Conformance Test Procedures for Indoor AC Medium Voltage Switches for Use in Metal-Enclosed Switchgear (revision of ANSI C37.58-1990 (R1996))

Applies to the conformance test procedures for ac medium-voltage switches rated above 1000 volts as designed, manufactured, and tested in accordance with ANSI/IEEE C37.20.4. It is intended for use in metal-clad switchgear, as described in ANSI/IEEE C37.20.2, and metal-enclosed interrupter switchgear, as described in ANSI/IEEE C37.20.3.

Single copy price: \$40.00

Obtain an electronic copy from: <http://global.ihs.com/>

Order from: Global Engineering Documents; <http://global.ihs.com/>

Send comments (with copy to BSR) to: John Collins, NEMA (ASC C37); joh_collins@nema.org

Reaffirmations

BSR C37.17-1997 (R200x), Trip Devices for AC and General Purposes
DC Low Voltage Power Circuit Breakers (reaffirmation of ANSI
C37.17-1997)

Pertains to:

1. Direct-acting over-current electro-mechanical trip devices;
2. Direct-acting over-current electronic trip devices;
3. Reverse-current trip devices;
4. Undervoltage trip devices.

Single copy price: \$26.00

Obtain an electronic copy from: <http://global.ihs.com/>

Order from: Global Engineering Documents; <http://global.ihs.com/>

Send comments (with copy to BSR) to: John Collins, NEMA (ASC C37);
joh_collins@nema.org

BSR C37.22-1997 (R200x), Preferred Ratings and Related Required
Capabilities for Indoor AC Medium-Voltage Switches Used in
Metal-Enclosed Switchgear (reaffirmation of ANSI C37.22-1997)

Provides preferred ratings for indoor AC medium-voltage switches used
in metal-enclosed switchgear.

Single copy price: \$26.00

Obtain an electronic copy from: <http://global.ihs.com/>

Order from: Global Engineering Documents; <http://global.ihs.com/>

Send comments (with copy to BSR) to: John Collins, NEMA (ASC C37);
joh_collins@nema.org

BSR C37.51-1989 (R200x), Metal-Enclosed Low-Voltage AC
Power-Circuit-Breaker Switchgear Assemblies - Conformance Test
Procedures (reaffirmation of ANSI C37.51-1989 (R1995))

Applies to metal-enclosed low-voltage power-circuit-breaker switchgear
assemblies and covers the conformance test procedures for the basic
switchgear section that includes the structure, circuit-breaker
compartments, instrument compartments, buses, and internal
connections.

Single copy price: \$40.00

Obtain an electronic copy from: <http://global.ihs.com/>

Order from: Global Engineering Documents; <http://global.ihs.com/>

Send comments (with copy to BSR) to: John Collins, NEMA (ASC C37);
joh_collins@nema.org

**NPES (ASC CGATS) (Association for Suppliers of
Printing and Publishing Technologies)****Revisions**

BSR CGATS.7-200x, Graphic Technology - Pallet Loading for Printed
Materials (revision of ANSI CGATS.7-1995)

Specifies the stacking, unitizing, protection and labeling of palletized
printed materials. It also specifies the functional design of pallets used to
transport printed materials, and gives specifications for their loading onto
delivery vehicles.

Single copy price: Free

Obtain an electronic copy from: mabbott@npes.org

Order from: Mary Abbott, NPES (ASC CGATS); mabbott@npes.org

Send comments (with copy to BSR) to: Same

NSF (NSF International)**New Standards**

BSR/NSF 3-A 14159-3-200x, Hygiene Requirements for the Design of
Mechanical Belt Conveyors Used in Meat and Poultry Processing (i1)
(new standard)

Applies to hand held tools intended for use in the slaughter, processing,
and packaging of meat and poultry products. This is a rebalot of BSR
sent 8/19/02

Single copy price: \$35.00

Obtain an electronic copy from:

www.techstreet.com/cgi-bin/browsePublisher?publisher_id=133&subgroup_id=10021

Order from: www.nsf.org

Send comments (with copy to BSR) to: Mark Connors, NSF;
connors@nsf.org

BSR/NSF 174-200x, Mobile Food Units (i1) (new standard)

Includes requirements for mobile food units which include but are not
limited to trucks, vans, and trailers that prepare and/or serve food;
including those that sell individually prepackaged potentially hazardous
food items. This standard does not contain requirements for equipment
such as hot dog carts.

Single copy price: \$35.00

Obtain an electronic copy from:

www.techstreet.com/cgi-bin/browsePublisher?publisher_id=133&subgroup_id=10021

Order from: www.nsf.org

Send comments (with copy to BSR) to: Mark Connors, NSF;
connors@nsf.org

Revisions

BSR/NSF 21-200x, Thermoplastic Refuse Containers (revision of
ANSI/NSF 21-1996)

Complete revision of Standard. This is a rebalot of BSR sent 6/18/02

Single copy price: \$35.00

Obtain an electronic copy from:

www.techstreet.com/cgi-bin/browsePublisher?publisher_id=133&subgroup_id=10020

Order from: www.nsf.org

Send comments (with copy to BSR) to: Mark Connors, NSF;
connors@nsf.org

TIA (Telecommunications Industry Association)**New Standards**

BSR/TIA 455-219-200x, FITP219 Multifiber Ferrule Endface Geometry
Measurement (new standard)

Defines a test procedure to assess endface geometry in guide-pin based
multifiber ferrules

Single copy price: \$47.00

Obtain an electronic copy from: <http://global.ihs.com/>

Order from: Global Engineering Documents; <http://global.ihs.com/>

Send comments (with copy to BSR) to: Billie Zidek-Conner, TIA;
bzidekco@tia.eia.org

Revisions

BSR/TIA 569-B-200x, Commercial Building Standard for
Telecommunications Pathways and Spaces (revision of ANSI/TIA/EIA
569-A-1998)

Impacts space allocation within the building.

Single copy price: \$151.00

Obtain an electronic copy from: <http://global.ihs.com/>

Order from: Global Engineering Documents; <http://global.ihs.com/>

Send comments (with copy to BSR) to: Billie Zidek-Conner, TIA;
bzidekco@tia.eia.org

VITA (VMEbus International Trade Association (VITA))**New Standards**

BSR/VITA 32-200x, Processor PMC (new standard)

Incorporates a set of extensions to the IEEE 1386.1 PMC ("PCI
Mezzanine Card") standard which creates a new class of CPU based
PMC cards referred to in this standard as Processor PMC cards. The
standard retains electrical signaling compatibility with existing PMC
cards.

Single copy price: Free

Obtain an electronic copy from:

http://www.vita.com/vso/draftstd/ProcPMC_std09.pdf

Order from: Lollie Wheeler, VITA

Send comments (with copy to BSR) to: John Rynearson, VITA;
techdir@vita.com

Comment Deadline: January 28, 2003

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

ASME (American Society of Mechanical Engineers)

Revisions

BSR/ASME Y14.1-200x, Decimal Inch Drawing Sheet Size Format (revision of ANSI/ASME Y14.1-1995)

Defines decimal inch sheet sizes and formats for engineering drawings. Metric sheet sizes and format are defined in ASME Y14.1M. Single copy price: \$10.00

Order from: Silvana Rodriguez-Bhatti, ASME; rodriguez@asme.org
Send comments (with copy to BSR) to: Calvin Gomez, ASME; gomez@asme.org

BSR/ASME Y14.1M-200x, Metric Drawing Sheet Size and Format (revision of ANSI/ASME Y14.1M-1995)

Defines metric sheet sizes and formats for engineering drawings. Decimal inch sheet sizes and format are defined in ASME Y14.1. Single copy price: \$10.00

Order from: Silvana Rodriguez-Bhatti, ASME; rodriguez@asme.org
Send comments (with copy to BSR) to: Calvin Gomez, ASME; gomez@asme.org

CSA (ASC Z21/83) (CSA America, Inc.)

Supplements

BSR Z21.24b-200x, Gas Appliance Connectors (same as CGA 6.10b) (supplement to ANSI Z21.24-2001)

Details test and examination criteria for gas appliance connectors limited to a maximum nominal length of 6 feet (1.83m). Such connectors are suitable for connecting gas-fired appliances to fixed gas supply lines containing natural, manufactured or mixed gases, liquefied petroleum gases or LP gas-air mixtures at pressures not in excess of ½ psig (3.5 kPa). These connectors are intended for use with residential and commercial gas appliances that are not frequently moved after installation.

Single copy price: \$35.00

Order from: Allen Callahan, CSA (ASC Z21/83); al.callahan@csa-america.org
Send comments (with copy to BSR) to: Same

BSR Z21.69a-200x, Connectors for Movable Gas Appliances (same as CGA 6.16a) (supplement to ANSI Z21.69-200x)

Details test and examination criteria for gas appliance connectors consisting of flexible tubing for connecting gas supply piping to a gas appliance mounted on casters or otherwise subject to movement. These connectors are limited to a maximum length of 6 feet (1.83 m). These connectors are suitable for use with natural, manufactured or mixed gases, liquefied petroleum gases, or LP gas-air mixtures, at pressures not in excess of 1/2 psi (3.5 kPa).

Single copy price: \$35.00

Order from: Allen Callahan, CSA (ASC Z21/83); al.callahan@csa-america.org
Send comments (with copy to BSR) to: Same

BSR Z21.75b-200x, Connectors for Outdoor Gas Appliances and Manufactured Home (CSA 6.27b) (supplement to ANSI Z21.75-2001)

Details test and examination criteria for connectors suitable for non-rigid connection of outdoor gas appliances not frequently moved after installation, or manufactured (mobile) homes to gas supply lines containing natural, manufactured, mixed and liquefied petroleum (LP) gases and LP gas-air mixtures at pressures not in excess of 1/2 psi (3.5 kPa). These connectors shall have a nominal length of not less than 1 foot nor more than 6 feet.

Single copy price: \$35.00

Order from: Allen Callahan, CSA (ASC Z21/83); al.callahan@csa-america.org
Send comments (with copy to BSR) to: Same

EIA (Electronic Industries Alliance)

Revisions

BSR/EIA 364-60A-200x, TP-60A, General Methods for Porosity Testing of Contact Finishes for Electrical Connectors and Sockets (revision of ANSI/EIA 364-60-1988)

Details the methods for determining the porosity of contact finishes used in electrical connector, contacts and sockets.

Single copy price: \$62.00

Order from: Cecelia Yates, EIA; cyates@eia.org
Send comments (with copy to BSR) to: Same

NECA (National Electrical Contractors Association)

New Standards

BSR/NECA FOA 301-200x, Installing and Testing Fiber Optic Cables (new standard)

Describes procedures for installing and testing fiber optic cables and related components to carry signals for telecommunications, control, and similar purposes. These procedures represent a minimum level of quality for fiber optic installations. This standard is intended to define what is meant by installing equipment in a "neat and workmanlike manner" as required by the National Electrical Code, Sections 110-12 and 770-8.

Single copy price: \$25.00

Obtain an electronic copy from: psp@necanet.org

Order from: Nancy Sipe, NECA; orderdesk@necanet.org
Send comments (with copy to BSR) to: Pearl Parker, NECA; psp@necanet.org

Projects Withdrawn from Consideration

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

ITI (INCITS)

BSR/ISO/IEC 14608-1-1997, Information technology - OSI - The Directory: Directory Access Protocol - Protocol Implementation Conformance Statement (PICS) proforma (national adoption)

BSR/ISO/IEC 14608-2-1997, Information technology - OSI - The Directory: Directory System Protocol - Protocol Implementation Conformance Statement (PICS) proforma (national adoption)

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/AAMA 1402-1986, Standard Specifications for Aluminum Siding,
Soffit and Fascia

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:

API

American Petroleum Institute
1220 L Street, NW
Washington, DC 20005-4070
Phone: (202) 682-8157

Fax: (202) (202) 682-8051
Web: www.api.org

ASAE

American Society of Agricultural
Engineers
2950 Niles Road
St. Joseph, MI 49085-9659
Phone: (616) 428-6331
Fax: (616) (616) 429-3852
Web: www.asae.org

ASME

American Society of Mechanical
Engineers
3 Park Avenue, 20th Floor
New York, NY 10016
Phone: (212) 591-8460
Fax: (212) (212) 591-8501
Web: www.asme.org

CSA

CSA International
8501 East Pleasant Valley Road
Cleveland, OH 44131-5575
Phone: (216) 524-4990
Fax: (216) (216) 642-3463

EIA

Electronic Industries Alliance
2500 Wilson Blvd., Suite 300
Arlington, VA 22201-3834
Phone: (703) 907-7561
Fax: (703) (703) 907-7549
Web: www.eia.org

Global Engineering Documents

15 Inverness Way East
Englewood, CO 80112-5704
Phone: (800) 854-7179
Fax: (303) 379-2740
Web: www.global.ihs.com

NECA

National Electrical Contractors
Association
3 Bethesda Metro Center, Suite
1100
Bethesda, MD 20814
Phone: (301) 215-4504
Fax: (301) (301) 215-4500
Web: www.necanet.org

NPES (ASC B65)

NPES The Association for
Suppliers of Printing, Publishing
and Converting Technologies
1899 Preston White Drive
Reston, VA 22091-4367
Phone: (703) 264-7200
Fax: (703) (703) 620-0994
Web: www.npes.org

NSF

NSF International
789 Dixboro Road
Ann Arbor, MI 48105
Phone: (734) 827-6857
Fax: (734) (734) 827-6831
Web: www.nsf.org

VITA

VMEbus International Trade
Association (VITA)
7825 East Gelding Drive, Suite 104
Scottsdale, AZ 852603415
Phone: (480) 951-8866
Fax: (480) (480) 951-0720
Web: www.vita.com/

Send comments to:

API

American Petroleum Institute
1220 L Street, NW
Washington, DC 20005-4070
Phone: (202) 682-8157
Fax: (202) (202) 682-8051
Web: www.api.org

ASAE

American Society of Agricultural
Engineers
2950 Niles Road
St. Joseph, MI 49085-9659
Phone: (616) 428-6331
Fax: (616) (616) 429-3852
Web: www.asae.org

ASME

American Society of Mechanical
Engineers (ASME)
3 Park Avenue, 20th Floor
New York, NY 10016
Phone: (212) 591-7021
Fax: (212) (212) 591-8501
Web: www.asme.org

CSA

CSA International
8501 East Pleasant Valley Road
Cleveland, OH 44131-5575
Phone: (216) 524-4990
Fax: (216) (216) 642-3463

EIA

Electronic Industries Alliance
2500 Wilson Blvd., Suite 300
Arlington, VA 22201-3834
Phone: (703) 907-7561
Fax: (703) (703) 907-7549
Web: www.eia.org

ITI (INCITS)

INCITS Secretariat/ITI
1250 Eye Street, NW
Suite 200
Washington, DC 20005-3922
Phone: (202) 626-5743
Fax: (202) (202) 638-4922
Web: www.incits.org

NECA

National Electrical Contractors
Association
3 Bethesda Metro Center, Suite
1100
Bethesda, MD 20814
Phone: (301) 657-3110 x614
Fax: (301) (301) 215-4500
Web: www.necanet.org

NEMA (ASC C80)

National Electrical Manufacturers
Association
1300 North 17th Street, Suite 1847
Rosslyn, VA 22209
Phone: (703) 841-3244
Fax: (703) (703) 841-3344

NPES (ASC B65)

NPES The Association for
Suppliers of Printing, Publishing
and Converting Technologies
1899 Preston White Drive
Reston, VA 22091-4367
Phone: (703) 264-7200
Fax: (703) (703) 620-0994
Web: www.npes.org

NSF

NSF International
789 Dixboro Road
Ann Arbor, MI 48105
Phone: (734) 827-6857
Fax: (734) (734) 827-6831
Web: www.nsf.org

TIA

Telecommunications Industry
Association
2500 Wilson Boulevard
Suite 300
Arlington, VA 22201-3834
Phone: (703) 907-7706
Fax: (703) (703) 907-7727
Web: www.tiaonline.org

VITA

VMEbus International Trade
Association (VITA)
PO Box 19658
Fountain Hills, AZ 85269
Phone: (480) 837-7486
Fax: (480) (480) 951-0720
Web: www.vita.com/

Initiation of Canvasses

The following ANSI-accredited standards developers have announced their intent to conduct a canvass on the proposed American National Standard(s) listed herein in order to develop evidence of consensus for submittal to ANSI for approval as an American National Standard. Directly and materially affected interests wishing to participate as a member of a canvass list, i.e., consensus body, should contact the sponsor of the standard within 30 days of the publication date of this issue of Standards Action. Please also review the section entitled "American National Standards Maintained Under Continuous Maintenance" contained in Standards Action for information with regard to canvass standards maintained under the continuous maintenance option.

BSR/VITA 17.1-200x, Serial FPDP (new standard)

BSR/VITA 32-200x, Processor PMC (new standard)

AIM (Automatic Identification Manufacturers, Inc.)

Office: 634 Alpha Drive
Pittsburg, PA 15238

Contact: *Mary Beth Hodil*

Phone: (412) 963-7498

Fax: (412) (412) 963-8753

E-mail: mb@aimglobal.org

ANSI/AIM BC-10-1997, AIM International Technical Specification - International Symbology Specification - MaxiCode (withdrawal of ANSI/AIM BC-10-1997)

ANSI/AIM BC-11-1997, AIM International Technical Specification - International Symbology Specification - Data Matrix (withdrawal of ANSI/AIM BC-11-1997)

ANSI/AIM BC1-1995, Uniform Symbology Specification - Code 39 (withdrawal of ANSI/AIM BC1-1995)

ANSI/AIM BC2-1995, Uniform Symbology Specification - Interleaved 2-of-5 (withdrawal of ANSI/AIM BC2-1995)

ANSI/AIM BC4-1995, Uniform Symbology Specification - Code 128 (withdrawal of ANSI/AIM BC4-1995)

OPEI (Outdoor Power Equipment Institute)

Office: 341 South Packer Street
Alexandria, VA 22314

Contact: *Nate Wall*

Phone: (703) 549-7600

Fax: (703) (703) 549-7604

E-mail: nwall@opei.org

BSR B175.3-200x, Outdoor Power Equipment - Grass Trimmers and Brushcutters - Safety Requirements (revision of ANSI B175.3-1997)

BSR/OPEI B71.4-200x, Commercial Turf Care Equipment - Safety Specifications (revision of ANSI/OPEI B71.4-1999)

VITA (VMEbus International Trade Association (VITA))

Office: PO Box 19658
Fountain Hills, AZ 85269

Contact: *John Rynearson*

Phone: (480) 837-7486

Fax: (480) (480) 951-0720

E-mail: techdir@vita.com

BSR/VITA 1.7-200x, Increased Current Level for 96 & 160 Pin DIN/IEC Connector Draft Standard (new standard)

BSR/VITA 4.1-1996 (R200x), IP I/O Mapping to VME64x (reaffirmation of ANSI/VITA 4.1-1996)

BSR/VITA 6.1-1996 (R200x), SCSA Extensions (reaffirmation of ANSI/VITA 6.1-1996)

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.

ANS (American Nuclear Society)

Revisions

ANSI/ANS 2.2-2002, Earthquake Instrumentation Criteria for Nuclear Power Plants (revision of ANSI/ANS 2.2-1988): 11/21/2002

API (American Petroleum Institute)

New National Adoptions

ANSI/API 610-2002, Centrifugal Pumps for Petroleum, Petrochemical, and Natural Gas Industries (identical national adoption and revision of ANSI/API 610-1995): 11/21/2002

Reaffirmations

ANSI/API RP-500-1998 (R2003), Classification of Locations for Electrical Installations at Petroleum Facilities, Recommended Practice for, Class 1, Division 1 and Division 2 (reaffirmation of ANSI/API RP-500-1998): 11/25/2002

ANSI/API RP-505-1998 (R2002), Recommended Practice for Classification of Locations for Electrical Installations at Petroleum Facilities Classified as Class 1, Zone 0, Zone 1, and Zone 2 (reaffirmation of ANSI/API RP-505-1998): 11/25/2002

ASA (ASC S12) (Acoustical Society of America)

New National Adoptions

ANSI S12.10-2002/ISO 7779:1999 (incl AMD1), Acoustics - Measurement of Airborne Noise Emitted by Information Technology and Telecommunications Equipment (national adoption)ANSI S12.10-1985 (R1997): 11/21/2002

ASAE (American Society of Agricultural Engineers)

New National Adoptions

ANSI/ASAE/ISO 9190-2002, Lawn and Garden Ride-On (Riding) Tractors - Drawbar (national adoption): 11/21/2002

ANSI/ASAE/ISO 9191-2002, Lawn and Garden Ride-On (Riding) Tractors - Three-Point Hitch (national adoption): 11/21/2002

Revisions

ANSI/ASAE EP411.4-2002, Guidelines for Measuring and Reporting Environmental Parameters for Plant Experiments in Growth Chambers (revision and redesignation of ANSI/ASAE EP411.3-97): 11/25/2002

ANSI/ASAE/ISO 9192-2002, Lawn and Garden Ride-On Tractors - One-point Tubular Sleeve Hitch (revision and redesignation of ANSI/ASAE S348.2-1996): 11/21/2002

ASME (American Society of Mechanical Engineers)

New Standards

ANSI/ASME Y14.42-2002, Digital Approval Systems (new standard): 11/20/2002

ASTM (ASTM International)

New Standards

ANSI/ASTM D6833-2002, Test Method for Accelerated Pollutant Aging of Printing and Writing Paper by Pollution Chamber Exposure Apparatus (new standard): 9/10/2002

ANSI/ASTM E2250-2002, Determination of Endotoxin Concentration in Water-Miscible Metalworking Fluids (new standard): 10/10/2002

Revisions

ANSI/ASTM D92-2002, Test Method for Flash and Fire Points by Cleveland Open Cup (revision of ANSI/ASTM D92-2001): 11/21/2002

ANSI/ASTM D1321-2002, Test Method for Needle Penetration of Petroleum Waxes (revision of ANSI/ASTM D1321-1997): 9/10/2002

ANSI/ASTM E330-2002, Test Method for Structural Performance of Exterior Windows, Curtain Walls, and Doors by Uniform Static Air Pressure Difference (revision of ANSI/ASTM E330-97): 11/10/2002

ATIS (ASC T1) (Alliance for Telecommunications Industry Solutions)

Reaffirmations

ANSI T1.262-1998 (R2002), Telecommunications - OAM&P - Extension to Generic Network Model for Interfaces Across Jurisdictional Boundaries to Support the Service Test Function (reaffirmation of ANSI T1.262-1998): 11/20/2002

ANSI T1.263-1998 (R2002), Telecommunications - Operations, Administration, Maintenance, and Provisioning (OAM&P) - Model for Interfaces Across Jurisdictional Boundaries to Support Service Level Connection Management (reaffirmation of ANSI T1.263-1998): 11/20/2002

ANSI T1.302a-1992 (R2002), Digital Processing of Voice-Band Signals - Line Format for 32-kbit/s Adaptive Differential Pulse-Code Modulation (ADPCM) (Channel-Control Templates and Robbed-bit Signaling Alarm Transmission) (reaffirmation of ANSI T1.302a-1992 (R1997)): 11/20/2002

ANSI T1.312-1991 (R2002), Voice Packetization - Packetized Voice Protocol (reaffirmation of ANSI T1.312-1991 (R1997)): 11/20/2002

ANSI T1.504-1998 (R2002), Packet-Switched Data Communication Service - Performance Parameters, Measurements Methods, and Objectives (reaffirmation of ANSI T1.504-1998): 11/20/2002

ANSI T1.801.04-1997 (R2002), Multimedia Communications Delay, Synchronization, and Frame Rate (reaffirmation of ANSI T1.801.04-1997): 11/20/2002

AWWA (American Water Works Association)

Revisions

ANSI/AWWA C218-2002, Coating the Exterior of Aboveground Steel Water Pipelines and Fittings (revision of ANSI/AWWA C218-1999): 11/19/2002

ANSI/AWWA C540-2002, Power-Actuating Devices for Valves and Sluice Gates (revision of ANSI/AWWA C540-1993): 11/19/2002

ANSI/AWWA D130-2002, Flexible-Membrane Materials for Potable Water Applications (revision of ANSI/AWWA D130-1996): 11/20/2002

EIA (Electronic Industries Alliance)

New Standards

ANSI/EIA 364-51A-2002, Electrical Connectors - Ice Resistance Test Procedure (new standard): 11/19/2002

ANSI/EIA 364-80-2002, Low Frequency Shielding Effectiveness Test Procedure for Electrical Connectors and Sockets (new standard): 11/19/2002

ANSI/EIA 364-96-2002, TP-96, Plated Through Hole Integrity Test Procedure for Electrical Connectors (new standard): 11/19/2002

Revisions

ANSI/EIA 364-10B-2002, Fluid Immersion Test Procedure for Electrical Connectors (revision of ANSI/EIA 364-10A-2000): 11/25/2002

ANSI/EIA 616-A-2002, Detail Specification for 2 Millimeter, Two Part Connectors for Use with Printed Boards and Backplanes (revision of ANSI/EIA 616-1996): 11/20/2002

IEEE (Institute of Electrical and Electronics Engineers)

New Standards

ANSI/IEEE C37.20.7-2001, Guide for Testing Medium-Voltage Metal-Enclosed Switchgear for Internal Arcing Faults (new standard): 11/14/2002

ISA (ISA-The Instrumentation, Systems, and Automation Society)

New Standards

ANSI/ISA 75.08.01-2002, Face-to-Face Dimensions for Integral Flanged Globe-Style Control Valve Bodies (Classes 125, 150, 250, 300, and 600) (new standard): 11/19/2002

ANSI/ISA 75.08.05-2002, Face-to-Face Dimensions for Butt-weld-End Globe-Style Control Valves (Classes 150, 300, 600, 900, 1500, and 2500) (new standard): 11/19/2002

ANSI/ISA 75.08.06-2002, Face-to-Face Dimensions for Flanged Globe-Style Control Valve Bodies (Classes 900, 1500, and 2500) (new standard): 11/19/2002

Reaffirmations

ANSI/ISA 75.11.01-1985 (R2002), Control Valves, Inherent Flow Characteristic and Rangeability of (reaffirmation and redesignation of ANSI/ISA S75.11-1985 (R1997)): 11/19/2002

ITI (INCITS) (INCITS)

New National Adoptions

ANSI/ISO 19101-2002, Geographic information - Reference model (national adoption): 11/21/2002

INCITS/ISO/IEC 10026-1-1998, Information technology - OSI - Distributed Transaction Processing - Part 1: OSI TP Model (national adoption): 11/25/2002

INCITS/ISO/IEC 10026-2-1998, Information technology - OSI - Distributed Transaction Processing - Part 2: OSI TP Service (national adoption): 11/25/2002

INCITS/ISO/IEC 10026-3-1998, Information technology - OSI - Distributed Transaction Processing - Part 3: Protocol Specification (national adoption): 11/25/2002

INCITS/ISO/IEC 10026-4-1995, Information technology - OSI - Distributed Transaction Processing: Protocol Implementation Conformance Statement (PICS) proforma (national adoption): 11/25/2002

INCITS/ISO/IEC 13235-3-1998, Information technology - Open Distributed Processing - Trading Function - Part 3: Provision of Trading Function using OSI Directory service (national adoption): 11/25/2002

INCITS/ISO/IEC 22092-2002, Information Technology - Data Interchange on 130 mm Magneto-Optical Disk Cartridges - Capacity: 9,1 Gbytes Per Cartridge (national adoption): 11/20/2002

New Standards

ANSI INCITS 352-2002, Information technology - Fibre Channel - 1998 Physical Interface (FC-PI'98) (new standard): 11/19/2002

ANSI INCITS 356-2002, Information technology - Fibre Channel - Audio Video (FC-AV) (new standard): 11/25/2002

ANSI INCITS 357-2002, Information Technology - Fibre Channel - Virtual Interface Architecture Mapping Protocol (FC-VI) (new standard): 11/25/2002

ANSI INCITS 362-2002, Information Technology - SCSI Parallel Interface-4 (SPI-4) (new standard): 11/25/2002

ANSI INCITS 365-2002, Information Technology - SCSI RDMA Protocol (SRP) (new standard): 11/21/2002

Reaffirmations

ANSI INCITS 21-1967 (R2002), Rectangular Holes in Twelve-Row Punched Cards (reaffirmation of ANSI INCITS 21-1967 (R1997)): 11/21/2002

ANSI INCITS 39-1986 (R2002), Recorded Magnetic Tape for Information Interchange (1600 CPI, PE) (reaffirmation of ANSI INCITS 39-1986 (R1997)): 11/19/2002

ANSI INCITS 48-1986 (R2002), Magnetic Tape Cassette for Information Interchange, 3.81 mm (0.150 in) Tape at 32 bpm (800 bpi), PE (includes ANSI X3.48/TC-1-1995) (reaffirmation of ANSI INCITS 48-1986 (R1997)): 11/19/2002

ANSI INCITS 55-1992 (R2002), Information Systems - Unrecorded Magnetic Tape Cartridge for Information Interchange - 0.250 Inch (6.30 mm), 1600 bpi (63 bpm), Phase Encoded (reaffirmation of ANSI INCITS 55-1992 (R1997)): 11/19/2002

ANSI INCITS 56-1986 (R2002), Recorded Magnetic Tape Cartridge for Information Interchange (4-Track, 0.250 Inch, 1600 BPI, Phase Encoded) (reaffirmation of ANSI INCITS 56-1986 (R1996)): 11/19/2002

ANSI INCITS 61-1986 (R2002), Geographic Point Locations for Information Interchange, Representation of (reaffirmation of ANSI INCITS 61-1986 (R1997)): 11/21/2002

ANSI INCITS 73-1980 (R2002), Single-Sided Unformatted Flexible Disk Cartridge, (for 6631 BPR Use) (reaffirmation of ANSI INCITS 73-1980 (R1997)): 11/19/2002

ANSI INCITS 96-1983 (R2002), Forms, Paper Sizes for Single-Part Continuous Business (reaffirmation of ANSI INCITS 96-1983 (R1997)): 11/21/2002

ANSI INCITS 116-1986 (R2002), Recorded Magnetic Tape Cartridge for Information Interchange 4-Track, Serial 0.250 in (6.30 mm) 6400 BPI (252 BPMM) Inverted Modified Frequency Modulation Encoded (reaffirmation of ANSI INCITS 116-1986 (R1997)): 11/19/2002

ANSI INCITS 126-1986 (R2002), One- and Two-Sided Double Density Unformatted 5.25 Inch (130 mm) 96 Tracks per Inch (3.8 Tracks per mm) Flexible Disk Cartridge - General, Physical, and Magnetic Requirements for 7958 BPR Use (reaffirmation of ANSI INCITS 126-1986 (R1997)): 11/19/2002

ANSI INCITS 127-1987 (R2002), Information Systems - Unrecorded Magnetic Tape Cartridge for Information Interchange, 0.250 Inch (6.30 mm), 6400-10 000 fpi (252-394 ft/mm) (reaffirmation of ANSI INCITS 127-1987 (R1997)): 11/19/2002

ANSI INCITS 136-1986 (R2002), Serial Recorded Magnetic Tape Cartridge for Information Interchange, Four and Nine Track, 0.250 Inch (6.30 mm), 8000 bpi (315 bpm), Streaming Mode, Group Code Recording (reaffirmation of ANSI INCITS 136-1986 (R1997)): 11/19/2002

ANSI INCITS 145-1986 (R2002), Identification of Hydrologic Units in the United States and the Caribbean Outlying Areas, Codes for (reaffirmation of ANSI INCITS 145-1986 (R1997)): 11/21/2002

ANSI INCITS 149-1986 (R2002), Financial Transaction Card Formsets - Location of Imprinted Information (reaffirmation of ANSI INCITS 149-1986 (R1997)): 11/21/2002

ANSI INCITS 150-1987 (R2002), Business Machines, Data Processing Equipment and Business Forms - Character and Line Spacing (reaffirmation of ANSI INCITS 150-1987 (R1997)): 11/21/2002

ANSI INCITS 151-1987 (R2002), Bond Papers and Index Bristols - Common Sheet Sizes (reaffirmation of ANSI INCITS 151-1987 (R1997)): 11/21/2002

- ANSI INCITS 152-1987 (R2002), Noncarbonized, Single-Ply, Adding Machine Paper Rolls, Specifications for (reaffirmation of ANSI INCITS 152-1987 (R1997)): 11/21/2002
- ANSI INCITS 191-1991 (R2002), Recorded Optical Media Unit for Digital Information Interchange - 130-mm Write-Once Sampled-Servo RZ Selectable-Pitch Optical Disk Cartridge (reaffirmation of ANSI INCITS 191-1991 (R1997)): 11/19/2002
- ANSI INCITS 197-1991 (R2002), Information Systems - Unrecorded Magnetic Tape and Cartridge for Information Interchange 1/2 in (12.65 mm), Serial Serpentine, 22-Track, 6667 ftpi (262 ftpmm) and 48-Track, 10,000 ftpi (394 ftpmm) (reaffirmation of ANSI INCITS 197-1991 (R1996)): 11/19/2002
- ANSI INCITS 199-1991 (R2002), Information Systems - 356-mm Optical Disk Cartridge (Write-Once) - Test Methods for Media Characteristics (reaffirmation of ANSI INCITS 199-1991 (R1997)): 11/19/2002
- ANSI INCITS 200-1992 (R2002), Information Systems - Unrecorded Optical Media Unit for Digital Information Interchange - 356 mm WORM Optical Disk Cartridge - Parts 1 and 2 (reaffirmation of ANSI INCITS 200-1992 (R1997)): 11/19/2002
- ANSI INCITS 203-1992 (R2002), Information Systems - Helical-Scan Digital Computer Tape Cartridge for Information Interchange (3.81 mm (0.150 in) Digital Data Storage (DDS) Recorded Format) (reaffirmation of ANSI INCITS 203-1992 (R1997)): 11/19/2002
- ANSI INCITS 204-1992 (R2002), Information Systems - Recorded Magnetic Tape for Information Interchange, 15 and 18 Track, 0.250-inch (6.35-mm) 10 000-bpi (394-bpmm) Streaming Mode, Group Code Recording (reaffirmation of ANSI INCITS 204-1992 (R1997)): 11/19/2002
- ANSI INCITS 205-1992 (R2002), Information Systems - Helical-Scan Digital Computer Tape Cartridge for Information Interchange (3.81-mm (0.150 in)) Data/DAT Recorded Format (reaffirmation of ANSI INCITS 205-1992 (R1997)): 11/19/2002
- ANSI INCITS 207-1991 (R2002), Office Machines and Supplies - Alphanumeric Machines - Alternate Keyboard Arrangement (reaffirmation of ANSI INCITS 207-1991 (R1997)): 11/21/2002
- ANSI INCITS 211-1992 (R2002), Information Systems - 130-mm Write-Once Optical Disk Cartridge Using Continuous Servo RLL 2,7 Encoding and LDC (reaffirmation of ANSI INCITS 211-1992 (R1997)): 11/19/2002
- ANSI INCITS 212-1992 (R2002), Information Systems - 130-mm Rewritable Optical Disk Cartridge for Information Interchange (reaffirmation of ANSI INCITS 212-1992 (R1997)): 11/19/2002
- ANSI INCITS 214-1992 (R2002), Information Systems - 130-mm Write-Once Optical Disk Cartridge Using Sampled Servo and 4/15 Encoding (reaffirmation of ANSI INCITS 214-1992 (R1997)): 11/19/2002
- ANSI INCITS 220-1992 (R2002), Information Systems - Digital Information Interchange 130-mm Optical Disk Cartridges of the Write-Once, Read Multiple (WORM) Type, Using the Magnetic-Optical Effect (reaffirmation of ANSI INCITS 220-1992 (R1997)): 11/19/2002
- INCITS/ISO 2690-1997 (R2002), Unrecorded Magnetic Tapes for Instrumentation Applications - Physical Properties and Test Methods (reaffirmation of INCITS/ISO 2690-1997): 11/19/2002
- INCITS/ISO 4341-1978 (R2002), Magnetic Tape Cassette and Cartridge Labeling and File Structure for Information Interchange (reaffirmation of INCITS/ISO 4341-1978 (R1996)): 11/19/2002
- INCITS/ISO 5654-2-1982 (R1997), Information Processing - Data Interchange on 200 mm (8 in) Flexible Disk Cartridges Using Two-Frequency Pre-Recording at 13 262 fthead on One Side - Part 2: Track Format (reaffirmation of INCITS/ISO 5654-2-1982): 11/19/2002
- INCITS/ISO 6596-2-1985 (R1997), Information Processing - Data Interchange on 130 mm (5.25 in) Flexible Disk Cartridges using Two-Frequency Recording at 7 958 fthead, 1,9 tpmm (48 tpi), on One Side - Part 2: Track Format (reaffirmation of INCITS/ISO 6596-2-1985): 11/19/2002
- INCITS/ISO 7065-2-1985 (R1997), Information Processing - Data Interchange on 200 mm (8 in) Flexible Disk Cartridges Using Modified Frequency Modulation Recording at 13 262 fthead, 1,9 tpmm (48 tpi), on Both Sides - Part 2: Track Format (reaffirmation of INCITS/ISO 7065-2-1985): 11/19/2002
- INCITS/ISO 7487-2-1985 (R1997), Information Processing - Data Interchange on 130 mm (5.25 in) Flexible Disk Cartridges Using Modified Frequency Modulation Recording at 7 958 fthead, 1,9 tpmm (48 tpi), on Both Sides - Part 2: Track Format A (reaffirmation of INCITS/ISO 7487-2-1985): 11/19/2002
- INCITS/ISO 7487-3-1986 (R1997), Information processing - Data interchange on 130 mm (5.25 in) flexible disk cartridges using modified frequency modulation recording at 7 958 fthead, 1,9 tpmm (48 tpi), on both sides - Part 3: Track format B (reaffirmation of INCITS/ISO 7487-3-1986): 11/19/2002
- INCITS/ISO 8378-2-1986 (R1997), Information processing - Data interchange on 200 mm (8 in) flexible disk cartridges using modified frequency modulation recording at 13 262 fthead, 1,9 tpmm (48 tpi), on both sides - Part 2: Track format A (reaffirmation of INCITS/ISO 8378-2-1986): 11/19/2002
- INCITS/ISO 8630-2-1987 (R1997), Information Processing - Data Interchange on 130 mm (5.25 in) Flexible Disk Cartridges Using Modified Frequency Modulation Recording at 13 262 fthead, on 80 Tracks on Each Side - Part 2: Track format A for 77 Tracks (reaffirmation of INCITS/ISO 8630-2-1987): 11/19/2002
- INCITS/ISO 8630-3-1987 (R1997), Information Processing - Data Interchange on 130 mm (5.25 in) Flexible Disk Cartridges Using Modified Frequency Modulation Recording at 13 262 fthead, on 80 Tracks on Each Side - Part 3: Track Format B for 80 Tracks (reaffirmation of INCITS/ISO 8630-3-1987): 11/19/2002
- INCITS/ISO 8860-2-1987 (R1997), Information Processing - Data Interchange on 90 mm (3.5 in) Flexible Disk Cartridges Using Modified Frequency Modulation Recording at 7 958 fthead on 80 Tracks on Each Side - Part 2: Track Format (reaffirmation of INCITS/ISO 8860-2-1987): 11/19/2002
- INCITS/ISO 9529-2-1989 (R1997), Information Processing Systems - Data Interchange on 90 mm (3.5 in) Flexible Disk Cartridges Using Modified Frequency Modulation Recording at 15 916 fthead on 80 tracks on Each Side - Part 2: Track Format (reaffirmation of INCITS/ISO 9529-2-1989): 11/19/2002
- INCITS/ISO/IEC 10994-1992 (R1997), Information Technology - Data Interchange on 90mm Flexible Disk Cartridges Using Modified Frequency Modulation Recording at 31 831 fthead on 80 Tracks on Each Side - ISO Type 303 (reaffirmation of INCITS/ISO/IEC 10994-1992): 11/19/2002
- INCITS/ISO/IEC 11404-1996 (R2002), Information Technology - Programming Languages, Their Environments and System Software Interfaces - Language - Independent Datatypes (reaffirmation of INCITS/ISO/IEC 11404-1996): 11/21/2002
- INCITS/ISO/IEC 13923-1996 (R1997), Information Technology - 3,81 mm Wide Magnetic Tape Cartridge for Information Interchange - Helical Scan Recording - DDS-2 Format Using 120 m Length Tape (reaffirmation of INCITS/ISO/IEC 13923-1996): 11/19/2002
- Withdrawals**
- ANSI INCITS 50-1986, Representations for U.S. Customary, SI, and Other Units to Be Used in Systems with Limited Character Sets (withdrawal of ANSI INCITS 50-1986 (R1997)): 11/21/2002
- ANSI INCITS 190-1992, Information Technology - Text and Office Systems - Conformance Testing for Standard Generalized Markup Language (SGML) Systems (withdrawal of ANSI INCITS 190-1992 (R1997)): 11/21/2002
- NEMA (ASC C78) (National Electrical Manufacturers Association)**
- Reaffirmations**
- ANSI C78.261-1977 (R2002), Specification for Tubular Incandescent Infrared Lamps (reaffirmation of ANSI C78.261-1977 (R1996)): 11/20/2002

Withdrawals

ANSI C78.25-1991, Lamp Base Temperature Rise, Method of Measurement (withdrawal of ANSI C78.25-1991 (R1996)): 11/20/2002

NSF (NSF International)

Revisions

ANSI/NSF 49-2002, Class II (Laminar Flow) Biohazard Cabinetry (revision of ANSI/NSF 49-2002): 11/15/2002

SPRI (Single Ply Roofing Institute)

Revisions

ANSI/SPRI RP-4-2002, Wind Design Standard for Ballasted Single-Ply Roofing Systems (revision of ANSI/SPRI RP-4-1997): 11/19/2002

TIA (Telecommunications Industry Association)

New National Adoptions

ANSI/TIA/EIA 455-78B-2002, FOTP78 - IEC 60793-1-40 - Optical Fibres - Part 1-40: Measurement Methods and Test Procedures Attenuation (national adoption): 11/19/2002

New Standards

ANSI/TIA/EIA 102.AACB-2002, Digital Private Land Mobile Radio Over-the-Air-Rekeying (OTAR) Operational Description (new standard): 11/19/2002

UL (Underwriters Laboratories, Inc.)

New Standards

- ★ ANSI/UL 60335-2-34-2002, Standard for Safety for Household and Similar Electrical Appliances - Part 2: Particular Requirements for Motor-Compressors (new standard): 11/14/2002

Revisions

ANSI/UL 13-2002, Standard for Safety for Power-Limited Circuit Cables (revision of ANSI/UL 13-1999): 11/13/2002

ANSI/UL 496-2002, Edison Base Lampholders (revision of ANSI/UL 496-1994): 11/22/2002

ANSI/UL 508-2002, Standard for Safety for Industrial Control Equipment (revision of ANSI/UL 508-2001a): 11/21/2002

ANSI/UL 1472-2002, Standard for Safety for Solid-State Dimming Controls (revision of ANSI/UL 1472-1997): 11/12/2002

ANSI/UL 1917-2002, Standard for Safety for Solid-State Fan Speed Controls (revision of ANSI/UL 1917-1996): 11/19/2002

Project Initiation Notification System (PINS)

ANSI Procedures require notification of ANSI by ANSI-accredited standards developers of the initiation and scope of activities expected to result in new or revised American National Standards. This information is a key element in planning and coordinating American National Standards. For additional information, see clause 1.2.8 of the ANSI Procedures for the Development and Coordination of American National Standards (2001 edition.)

Following is a list of proposed new American National Standards or revisions to existing American National Standards that have been received from ANSI-accredited standards developers that utilize the periodic maintenance option in connection with their standards. Please also review the section entitled "American National Standards Maintained Under Continuous Maintenance" contained in Standards Action for comparable information with regard to standards maintained under the continuous maintenance option. Directly and materially affected interests wishing to receive more information should contact the standards developer directly.

AIAA (American Institute of Aeronautics and Astronautics)

Office: 1801 Alexander Bell Drive
Reston, VA 20191

Contact: James E. French

Fax: (703) (703) 264-7551

E-mail: jimf@aiaa.org

BSR/AIAA S-081A-200x, Space Systems - Composite Overwrapped Pressure Vessels (COPV) (revision of ANSI/AIAA S-081-2000)

BSR/AIAA S-089-200x, Space Systems - Composite Pressurized Structures (new standard)

AIM (Automatic Identification Manufacturers, Inc.)

Office: 634 Alpha Drive
Pittsburg, PA 15238

Contact: Mary Beth Hodil

Fax: (412) (412) 963-8753

E-mail: mb@aimglobal.org

ANSI/AIM BC-10-1997, AIM International Technical Specification - International Symbology Specification - MaxiCode (withdrawal of ANSI/AIM BC-10-1997)

ANSI/AIM BC-11-1997, AIM International Technical Specification - International Symbology Specification - Data Matrix (withdrawal of ANSI/AIM BC-11-1997)

ANSI/AIM BC1-1995, Uniform Symbology Specification - Code 39 (withdrawal of ANSI/AIM BC1-1995)

ANSI/AIM BC2-1995, Uniform Symbology Specification - Interleaved 2-of-5 (withdrawal of ANSI/AIM BC2-1995)

ANSI/AIM BC4-1995, Uniform Symbology Specification - Code 128 (withdrawal of ANSI/AIM BC4-1995)

BSR/ISO/IEC 15417-200x, Code 128 (identical national adoption)

BSR/ISO/IEC 16022-200x, Data Matrix (identical national adoption)

BSR/ISO/IEC 16023-200x, MaxiCode (identical national adoption)

BSR/ISO/IEC 16388-200x, Code 39 (identical national adoption)

BSR/ISO/IEC 16390-200x, Interleaved 2 of 5 (identical national adoption)

ASAE (American Society of Agricultural Engineers)

Office: 2950 Niles Road
St. Joseph, MI 49085-9659

Contact: Scott Cedarquist

Fax: (616) (616) 429-3852

E-mail: cedarq@asae.org

BSR/ASAE S296.5-200x, General Terminology for Traction of Agricultural Traction and Transport Devices and Vehicles (revision and redesignation of ANSI/ASAE S296.4-1995)

AWWA (American Water Works Association)

Office: 6666 West Quincy Avenue
Denver, CO 80235

Contact: John Wilber

Fax: (303) (303) 795-7603

E-mail: jwilber@awwa.org

BSR/AWWA C516-200x, Large Diameter Butterfly Valves Sizes 78 In. (2000 Mm) and Larger (new standard)

CSA (CSA America, Inc.)

Office: 8501 East Pleasant Valley Road
Cleveland, OH 44131-5575

Contact: Allen Callahan

Fax: (216) (216) 642-3463

E-mail: al.callahan@csa-america.org

BSR/CSA FC5-200x, Hydrogen Generators Using Fuel Processing Technologies (new standard)

EIA (Electronic Industries Alliance)

Office: 2500 Wilson Blvd., Suite 300
Arlington, VA 22201-3834

Contact: Cecelia Yates

Fax: 703 703 9077549

E-mail: cyates@eia.org

BSR/EIA 364-1000.01-200x, Environmental Test Methodology for Assessing the Performance of Electrical Connectors and Sockets Used in Business Office Applications (revision of ANSI/EIA 364-1000.01-2000)

ITI (INCITS) (INCITS)

Office: 1250 Eye Street, NW, Suite 200
Washington, DC 20005-3922

Contact: Deborah Donovan

Fax: (202) (202) 638-4922

E-mail: ddonovan@itic.org

BSR INCITS PN-1526-D-200x, Information Technology - Real Time Locating Systems (new standard)

BSR INCITS PN-1601-D-200x, Information Technology - Serial Attached SCSI-2 (SAS-2) (new standard)

OPEI (Outdoor Power Equipment Institute)

Office: 341 South Packer Street
Alexandria, VA 22314

Contact: Nate Wall

Fax: (703) (703) 549-7604

E-mail: nwall@opei.org

BSR B175.3-200x, Outdoor Power Equipment - Grass Trimmers and Brushcutters - Safety Requirements (revision of ANSI B175.3-1997)

BSR/OPEI B71.4-200x, Commercial Turf Care Equipment - Safety Specifications (revision of ANSI/OPEI B71.4-1999)

SCTE (Society of Cable Telecommunications Engineers)

Office: 140 Phillips Road
Exton, PA 19341

Contact: *Stephen Oksala*

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E-mail: soksala@scte.org

BSR/SCTE 38-7-200x, Hybrid Fiber/Coax Outside Plant Status Monitoring SCTE-HMS-Transponder Interface Bus (TIB)-Management Information Base (MIB) - Definition (revision of ANSI/SCTE 38-7-2002)

BSR/SCTE HMS 058-200x, Hybrid Fiber/Coax Outside Plant Status Monitoring - HMS Physical Layer Certification Testing (new standard)

VITA (VMEbus International Trade Association (VITA))

Office: PO Box 19658
Fountain Hills, AZ 85269

Contact: *John Rynearson*

Fax: (480) (480) 951-0720

E-mail: techdir@vita.com

BSR/VITA 1.7-200x, Increased Current Level for 96 & 160 Pin DIN/IEC Connector Draft Standard (new standard)

BSR/VITA 4.1-1996 (R200x), IP I/O Mapping to VME64x (reaffirmation of ANSI/VITA 4.1-1996)

BSR/VITA 6.1-1996 (R200x), SCSA Extensions (reaffirmation of ANSI/VITA 6.1-1996)

BSR/VITA 17.1-200x, Serial FPDP (new standard)

American National Standards Maintained Under Continuous Maintenance

The ANSI Procedures for the Development and Coordination of American National Standards (ANSI Procedures) provide two options for the maintenance of American National Standards (ANS): periodic maintenance (see clause 4.4.1) and continuous maintenance (see clause 4.4.2). 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 4.4.1 and 4.4.3.

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.

- AAMVA
- AGRSS
- ASC B109 (AGA)
- ASHRAE
- ASME
- ASTM
- NBBPVI
- NSF International
- TIA
- 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, select STANDARDS INFO, and choose "American National Standards Maintained Under Continuous Maintenance". This information is also available directly at http://web.ansi.org/public/ans_main/default.htm.

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 and IEC Draft International Standards



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

Comments

Comments regarding ISO documents should be sent to Henrietta Scully at ANSI's New York offices, those regarding IEC documents to Charles T. Zegers, also at ANSI New York offices. The final date for offering comments is listed after each draft.

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ISO Standards

BANKING AND RELATED FINANCIAL SERVICES (TC 68)

ISO/DIS 15022-1, Banking, securities and other financial services - Scheme for messages - Part 1: Overall methodology and format specifications for inputs and outputs to/from the ISO 15022 repository - 2/27/2003, \$56.00

ISO/DIS 15022-2, Banking, securities and other financial services - Scheme for messages - Part 2: Role and responsibilities of the registration bodies - 2/27/2003, \$42.00

CRANES (TC 96)

ISO/DIS 12480-3, Cranes - Safe use - Part 3: Tower cranes - 2/27/2003, \$54.00

ISO/DIS 12488-1, Cranes - Tolerances for wheels and travel and traversing tracks - Part 1: General - 2/27/2003, \$50.00

ISO/DIS 12488-4, Cranes - Tolerances for wheels and travel and traversing tracks - Part 4: Jib cranes - 2/27/2003, \$20.00

DOCUMENT IMAGING APPLICATIONS (TC 171)

ISO/DIS 7761, Micrographics - Single-core cartridge for 16 mm processed microfilm - Dimensions and operational constraints - 2/27/2003, \$54.00

GAS CYLINDERS (TC 58)

ISO/DIS 10461, Seamless aluminium-alloy gas cylinders - Periodic inspection and testing - 2/27/2003, \$84.00

NUCLEAR ENERGY (TC 85)

ISO/DIS 14943, Nuclear fuel technology - Administrative criteria related to criticality safety - 2/27/2003, \$24.00

WATER QUALITY (TC 147)

ISO/DIS 16265, Water quality - Determination of MBAS index - Method by flow analysis (CFA and FIA) - 2/27/2003, \$38.00

- 47/1668/FDIS, IEC 60749-17, Ed.1: Semiconductor devices - Mechanical and climatic test methods - Part 17: Neutron irradiation, 01/24/2003
- 59G/128/FDIS, Amendment 1 to IEC 60661 Ed. 2.0: Methods for measuring the performance of electric household coffee makers., 01/24/2003
- 61E/422/FDIS, IEC 60335-2-99 Ed 1.0: Household and similar electrical appliances - Safety - Part 2-99: Particular requirements for commercial electric hoods, 01/24/2003
- 61F/511/FDIS, IEC 60745-2-12 Ed 2.0: Hand-held motor-operated electric tools - Safety - Part 2-12: Particular requirements for concrete vibrators, 01/24/2003
- 86C/495/FDIS, IEC 61290-11-1 Ed 1.0: Optical Amplifier Test Methods - Part 11-1: Polarization mode dispersion - Jones matrix eigenanalysis method (JME), 01/24/2003
- 15C/1414/FDIS, IEC 60684-3-229, Ed. 1: Flexible insulating sleeving - Part 3: Specifications for individual types of sleeving - Sheet 229: Heat-shrinkable semi-flexible, polyvinylidene fluoride sleeving, flame retarded, fluid resistant, shrink ratio 2:1, 01/24/2003
- 47/1667/FDIS, IEC 60749-36 Ed.1: Semiconductor devices - Mechanical and climatic test methods - Part 36: Acceleration, steady state, 01/24/2003
- 47C/286/FDIS, IEC 61988-2-2, Ed.1: Plasma Display Panels - Part 2-2: Measuring methods - Optoelectrical, 01/24/2003
- 57/612/FDIS, Communication networks and systems in substations - Part 7-2: Basic communication structure for substation and feeder equipment - Abstract communication service interface (ACSI), 01/24/2003
- 62A/412/FDIS, ISO 14971 Am. 1 Ed. 1: Medical devices - Application of risk management to medical devices, 01/24/2003
- 65B/470A/FDIS, Please note that this document is re-circulated after small corrections - 61131-2 Ed. 2: Programmable controllers - Part 2: Equipment requirements and tests, 01/24/2003

IEC Standards

3/649A/FDIS, IEC 60617: Graphical symbols for diagrams - Change request C00079: Withdrawal of symbols S00224, S00225
 Supersedes document 3/649/FDIS, 01/17/2003



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.

Weblinks are now provided from Standards Action to ANSI's Electronic Standards Store. To purchase a PDF copy of the desired standard, click on the blue, underlined designation.

AGRICULTURAL FOOD PRODUCTS (TC 34)

- [ISO 5507:2002](#), Oilseeds, vegetable oils and fats - Nomenclature, \$38.00
- [ISO 5536:2002](#), Milk fat products - Determination of water content - Karl Fischer method, \$26.00
- [ISO 5984:2002](#), Animal feeding stuffs - Determination of crude ash, \$26.00
- [ISO 5985:2002](#), Animal feeding stuffs - Determination of ash insoluble in hydrochloric acid, \$30.00
- [ISO 6497:2002](#), Animal feeding stuffs - Sampling, \$54.00
- [ISO 6577:2002](#), Nutmeg, whole or broken, and mace, whole or in pieces (*Myristica fragrans* Houtt.) - Specification, \$30.00
- [ISO 6644:2002](#), Flowing cereals and milled cereal products - Automatic sampling by mechanical means, \$35.00
- [ISO 10540-3:2002](#), Animal and vegetable fats and oils - Determination of phosphorus content - Part 3: Method using inductively coupled plasma (ICP) optical emission spectroscopy, \$30.00
- [ISO 11814:2002](#), Dried milk - Assessment of heat treatment intensity - Method using high-performance liquid chromatography, \$35.00
- [ISO 15884:2002](#), Milk fat - Preparation of fatty acid methyl esters, \$26.00
- [ISO 15885:2002](#), Milk fat - Determination of the fatty acid composition by gas-liquid chromatography, \$30.00

AIR QUALITY (TC 146)

- [ISO 14966:2002](#), Ambient air - Determination of numerical concentration of inorganic fibrous particles - Scanning electron microscopy method, \$80.00

AIRCRAFT AND SPACE VEHICLES (TC 20)

- [ISO 7314:2002](#), Aerospace - Fluid systems - Metal hose assemblies, \$50.00
- [ISO 15872:2002](#), Aerospace - UNJ threads - Gauging, \$64.00

CLINICAL LABORATORY TESTING AND IN VITRO DIAGNOSTIC TEST SYSTEMS (TC 212)

- [ISO 19001:2002](#), In vitro diagnostic medical devices - Information supplied by the manufacturer with in vitro diagnostic reagents for staining in biology, \$46.00

CORROSION OF METALS AND ALLOYS (TC 156)

- [ISO 11303:2002](#), Corrosion of metals and alloys - Guidelines for selection of protection methods against atmospheric corrosion, \$26.00

DIMENSIONAL AND GEOMETRICAL PRODUCT SPECIFICATIONS AND VERIFICATION (TC 213)

- [ISO 10360-1/Cor1:2002](#), Geometrical Product Specifications (GPS) - Acceptance and reverification tests for coordinate measuring machines (CMM) - Part 1: Vocabulary - Corrigendum, FREE
- [ISO 10360-4/Cor1:2002](#), Geometrical Product Specifications (GPS) - Acceptance and reverification tests for coordinate measuring machines (CMM) - Part 4: CMMs used in scanning measuring mode - Corrigendum, FREE

ERGONOMICS (TC 159)

- [ISO 14915-1:2002](#), Software ergonomics for multimedia user interfaces - Part 1: Design principles and framework, \$38.00

ESSENTIAL OILS (TC 54)

- [ISO 3848/Cor1:2002](#), Oil of Java citronella - Corrigendum, FREE

FASTENERS (TC 2)

- [ISO 7041:2002](#), Prevailing torque type hexagon nuts (with non-metallic insert), style 2 - Property classes 9 and 12, \$24.00
- [ISO 16426:2002](#), Fasteners - Quality assurance system, \$38.00

FLUID POWER SYSTEMS (TC 131)

- [ISO 6162-2:2002](#), Hydraulic fluid power - Flange connectors with split or one-piece flange clamps and metric or inch screws - Part 2: Flange connectors for use at pressures of 35 MPa (350 bar) to 40 MPa (400 bar), DN 13 to DN 51, \$50.00

GEOGRAPHIC INFORMATION/GEOMATICS (TC 211)

- [ISO 19113:2002](#), Geographic information - Quality principles, \$64.00

HYDROMETRIC DETERMINATIONS (TC 113)

- [ISO 4363:2002](#), Measurement of liquid flow in open channels - Methods for measurement of characteristics of suspended sediment, \$64.00

INFORMATION AND DOCUMENTATION (TC 46)

- [ISO 10160/Amd1:2002](#), Information and documentation - Open Systems Interconnection - Interlibrary Loan Application Service Definition - Amendment 1: Addition of annex D acknowledging the National Library of Canada as the Maintenance Agency, \$10.00
- [ISO 10161-1/Amd1:2002](#), Information and documentation - Open Systems Interconnection - Interlibrary Loan Application Protocol Specification - Part 1: Protocol specification - Amendment 1: Support for Use of Object Identifier in identifier Parameter of the Extension Data, \$10.00

[ISO 10161-1/Amd2:2002](#), Information and documentation - Open Systems Interconnection - Interlibrary Loan Application Protocol Specification - Part 1: Protocol specification - Amendment 2: Addition of annex I acknowledging the National Library of Canada as the Maintenance Agency and Registration Authority, \$20.00

[ISO 15706:2002](#), Information and documentation - International Standard Audiovisual Number (ISAN), \$38.00

INTERNAL COMBUSTION ENGINES (TC 70)

[ISO 8178-10:2002](#), Reciprocating internal combustion engines - Exhaust emission measurement - Part 10: Test cycles and test procedures for field measurement of exhaust gas smoke emissions from compression ignition engines operating under transient conditions, \$76.00

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

[ISO 10416:2002](#), Petroleum and natural gas industries - Drilling fluids - Laboratory testing, \$116.00

[ISO 11960/Cor1:2002](#), Petroleum and natural gas industries - Steel pipes for use as casing or tubing for wells - Corrigendum, FREE

[ISO 13625:2002](#), Petroleum and natural gas industries - Drilling and production equipment - Marine drilling riser couplings, \$60.00

[ISO 19900:2002](#), Petroleum and natural gas industries - General requirements for offshore structures, \$64.00

OPTICS AND OPTICAL INSTRUMENTS (TC 172)

[ISO 8037-2/Cor1:2002](#), Optics and optical instruments - Microscopes - Slides - Part 2: Quality of material, standards of finish and mode of packaging - Corrigendum, FREE

[ISO 8578/Cor1:2002](#), Optics and optical instruments - Microscopes - Marking of objectives and eyepieces - Corrigendum, FREE

OTHER

[ISO/TTA 4:2002](#), Measurement of thermal conductivity of thin films on silicon substrates, \$54.00

PALLETS FOR UNIT LOAD METHOD OF MATERIALS HANDLING (TC 51)

[ISO 15629:2002](#), Pallets for materials handling - Quality of fasteners for assembly of new and repair of used, flat, wooden pallets, \$50.00

PAPER, BOARD AND PULPS (TC 6)

[ISO 5264-2:2002](#), Pulps - Laboratory beating - Part 2: PFI mill method, \$35.00

[ISO 12192:2002](#), Paper and board - Compressive strength - Ring crush method, \$26.00

PETROLEUM PRODUCTS AND LUBRICANTS (TC 28)

[ISO 2719:2002](#), Determination of flash point - Pensky-Martens closed cup method, \$56.00

[ISO 4266-1:2002](#), Petroleum and liquid petroleum products - Measurement of level and temperature in storage tanks by automatic methods - Part 1: Measurement of level in atmospheric tanks, \$50.00

[ISO 4266-2:2002](#), Petroleum and liquid petroleum products - Measurement of level and temperature in storage tanks by automatic methods - Part 2: Measurement of level in marine vessels, \$38.00

[ISO 4266-3:2002](#), Petroleum and liquid petroleum products - Measurement of level and temperature in storage tanks by automatic methods - Part 3: Measurement of level in pressurized storage tanks (non-refrigerated), \$46.00

[ISO 4266-4:2002](#), Petroleum and liquid petroleum products - Measurement of level and temperature in storage tanks by automatic methods - Part 4: Measurement of temperature in atmospheric tanks, \$42.00

[ISO 4266-5:2002](#), Petroleum and liquid petroleum products - Measurement of level and temperature in storage tanks by automatic methods - Part 5: Measurement of temperature in marine vessels, \$38.00

[ISO 4266-6:2002](#), Petroleum and liquid petroleum products - Measurement of level and temperature in storage tanks by automatic methods - Part 6: Measurement of temperature in pressurized storage tanks (non-refrigerated), \$38.00

PHOTOGRAPHY (TC 42)

[ISO 10349-13:2002](#), Photography - Photographic-grade chemicals - Test methods - Part 13: Determination of pH, \$26.00

[ISO 18914:2002](#), Imaging materials - Photographic film and papers - Method for determining the resistance of photographic emulsions to wet abrasion, \$30.00

PLASTICS (TC 61)

[ISO 3146/Cor1:2002](#), Plastics - Determination of melting temperature of semi-crystalline polymers - Optical method - Corrigendum, FREE

ROAD VEHICLES (TC 22)

[ISO 3888-2:2002](#), Passenger cars - Test track for a severe lane-change manoeuvre - Part 2: Obstacle avoidance, \$26.00

[ISO 8820-3:2002](#), Road vehicles - Fuse-links - Part 3: Fuse-links with tabs (blade type), \$46.00

[ISO 11835:2002](#), Road vehicles - Motor vehicles with antilock braking systems (ABS) - Measurement of braking performance, \$42.00

[ISO 12345:2002](#), Diesel engines - Cleanliness assessment of fuel injection equipment, \$56.00

SHIPS AND MARINE TECHNOLOGY (TC 8)

[ISO 17339:2002](#), Ships and marine technology - Sea anchors for survival craft and rescue boats, \$26.00

[ISO 17357:2002](#), Ships and marine technology - High-pressure floating pneumatic rubber fenders, \$46.00

SMALL CRAFT (TC 188)

[ISO 9094-2:2002](#), Small craft - Fire protection - Part 2: Craft with a hull length of over 15 m, \$56.00

SMALL TOOLS (TC 29)

[ISO 15637-1:2002](#), Holding fixtures of cylindrical abrasive sleeves - Part 1: Holding fixtures with shank for hand-held grinding machines, \$24.00

STEEL (TC 17)

[ISO 9444:2002](#), Continuously hot-rolled stainless steel strip, plate/sheet and cut lengths - Tolerances on dimensions and form, \$35.00

[ISO 9445:2002](#), Continuously cold-rolled stainless steel narrow strip, wide strip, plate/sheet and cut lengths - Tolerances on dimensions and form, \$42.00

TECHNICAL DRAWINGS, PRODUCT DEFINITION AND RELATED DOCUMENTATION (TC 10)

[ISO 14617-15:2002](#), Graphical symbols for diagrams - Part 15: Installation diagrams and network maps, \$42.00

TECHNICAL ENERGY SYSTEMS (TC 203)

[ISO 13602-1:2002](#), Technical energy systems - Methods for analysis - Part 1: General, \$46.00

TEXTILES (TC 38)

[ISO 105-E12/Amd1:2002](#), Textiles - Tests for colour fastness - Part E12: Colour fastness to milling: Alkaline milling - Amendment 1, \$10.00

[ISO 12947-1/Cor1:2002](#), Textiles - Determination of the abrasion resistance of fabrics by the Martindale method - Part 1: Martindale abrasion testing apparatus - Corrigendum, FREE

[ISO 12947-2/Cor1:2002](#), Textiles - Determination of the abrasion resistance of fabrics by the Martindale method - Part 2: Determination of specimen breakdown - Corrigendum, FREE

[ISO 12947-3/Cor1:2002](#), Textiles - Determination of the abrasion resistance of fabrics by the Martindale method - Part 3: Determination of mass loss - Corrigendum, FREE

[ISO 12947-4/Cor1:2002](#), Textiles - Determination of the abrasion resistance of fabrics by the Martindale method - Part 4: Assessment of appearance change - Corrigendum, FREE

[ISO 15797:2002](#), Textiles - Industrial washing and finishing procedures for testing of workwear, \$42.00

THERMAL TURBINES FOR INDUSTRIAL APPLICATION (STEAM TURBINES, GAS EXPANSION TURBINES) (TC 208)

[ISO 14661/Amd1:2002](#), Thermal turbines for industrial applications (steam turbines, gas expansion turbines) - General requirements - Amendment 1: Data sheets for thermal turbines for industrial applications, \$94.00

WATER QUALITY (TC 147)

[ISO 14592-1:2002](#), Water quality - Evaluation of the aerobic biodegradability of organic compounds at low concentrations - Part 1: Shake-flask batch test with surface water or surface water/sediment suspensions, \$56.00

[ISO 14592-2:2002](#), Water quality - Evaluation of the aerobic biodegradability of organic compounds at low concentrations - Part 2: Continuous flow river model with attached biomass, \$46.00

[ISO 15705:2002](#), Water quality - Determination of the chemical oxygen demand index (ST-COD) - Small-scale sealed-tube method, \$50.00

WELDING AND ALLIED PROCESSES (TC 44)

[ISO 15011-3:2002](#), Health and safety in welding and allied processes - Laboratory method for sampling fume and gases generated by arc welding - Part 3: Determination of ozone concentration using fixed point measurements, \$30.00

ISO Technical Specifications**AGRICULTURAL FOOD PRODUCTS (TC 34)**

[ISO/TS 17764-2:2002](#), Animal feeding stuffs - Determination of the content of fatty acids - Part 2: Gas chromatographic method, \$35.00

[ISO/TS 17764-1:2002](#), Animal feeding stuffs - Determination of the content of fatty acids - Part 1: Preparation of methyl esters, \$26.00

ISO/IEC JTC 1, Information Technology

[ISO/IEC 1989:2002](#), Information technology - Programming languages - COBOL, \$215.00

[ISO/IEC 9594-8/Cor4:2002](#), Information technology - Open Systems Interconnection - The Directory - Part 8: Authentication framework - Corrigendum, FREE

[ISO/IEC 9596-1/Cor2:2002](#), Information technology - Open Systems Interconnection - Common management information protocol - Part 1: Specification - Corrigendum, FREE

[ISO/IEC 9995-7:2002](#), Information technology - Keyboard layouts for text and office systems - Part 7: Symbols used to represent functions, \$50.00

[ISO/IEC 10589:2002](#), Information technology - Telecommunications and information exchange between systems - Intermediate System to Intermediate System intra-domain routing information exchange protocol for use in conjunction with the protocol for providing the connectionless-mode network service (ISO 8473), \$138.00

[ISO/IEC 13818-1/Cor2:2002](#), Information technology - Generic coding of moving pictures and associated audio information: Systems - Corrigendum, FREE

[ISO/IEC 14143-2:2002](#), Information technology - Software measurement - Functional size measurement - Part 2: Conformity evaluation of software size measurement methods to ISO/IEC 14143-1:1998, \$68.00

[ISO/IEC 15946-1:2002](#), Information technology - Security techniques - Cryptographic techniques based on elliptic curves - Part 1: General, \$60.00

CEN/CENELEC Standards Activity



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This section provides information on standards activity within CEN - the European Committee for Standardization - and CENELEC - the European Committee for Electrotechnical Standardization. CEN and CENELEC are composed of European member bodies whose countries cooperate within the European Economic Community (Common Market) and the European Free Trade Association (EFTA). Their primary purpose is to develop standards needed to harmonize European interests and prevent technical barriers. Both CEN and CENELEC are committed to adopting standards developed by ISO and IEC wherever possible.

ANSI is publishing this information to give U.S. interests an opportunity to obtain information, and to comment on proposed European Standards and/or Harmonization Documents being circulated for enquiry. Anyone interested in obtaining this information, and/or commenting on proposals should order copies from ANSI.

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CEN

European drafts sent for CEN enquiry

The following European drafts have been sent to CEN members for enquiry and comment. If the draft is a proposed adoption of an International Standard, it is so noted. The final date for offering comments is listed after each proposal.

EN 442-2: 1996/prA2, Radiators and convectors - Part 2: Test methods and rating - 3/30/2003, \$20.00

EN 613: 2000/prA2, Independent gas-fired convection heaters - 3/30/2003, \$20.00

EN 14030: 2001/prA1, Geotextiles and geotextile-related products - Screening test method for determining the resistance to acid and alkaline liquids (ISO/TR 12960: 1998, modified) - 2/14/2003, \$20.00

EN ISO 12543-2: 1998/prA1, Glass in building - Laminated glass and laminated safety glass - Part 2: Laminated safety glass - 1/28/2003, \$20.00

prEN 1402-1 REVIEW, Unshaped refractory products - Part 1: Introduction and classification - 3/30/2003, \$42.00

prEN 1402-2 REVIEW, Unshaped refractory products - Part 2: Sampling for testing - 3/30/2003, \$38.00

prEN 1402-3 REVIEW, Unshaped refractory products - Part 3: Characterization as received - 3/30/2003, \$38.00

prEN 1402-4 REVIEW, Unshaped refractory products - Part 4: Determination of consistency of castables - 3/30/2003, \$30.00

prEN 1402-5 REVIEW, Unshaped refractory products - Part 5: Preparation and treatment of test pieces - 3/30/2003, \$56.00

prEN 1402-6 REVIEW, Unshaped refractory products - Part 6: Measurement of physical properties - 3/30/2003, \$38.00

prEN 1402-7 REVIEW, Unshaped refractory products - Part 7: Tests on pre-formed shapes - 3/30/2003, \$50.00

prEN 1402-8 REVIEW, Unshaped refractory products - Part 8: Determination of complementary properties - 3/30/2003, \$24.00

prEN 1459-1, Explosion prevention and protection in underground mining - Protective systems - Part 1: 2-bar explosion-proof ventilation structure - 4/14/2003, \$35.00

prEN 1784, Foodstuffs - Detection of irradiated food containing fat - Gas chromatographic analysis of hydrocarbons - 3/30/2003, \$50.00

prEN 1785 REVIEW, Foodstuffs - Detection of irradiated food containing fat - Gas chromatographic/Mass spectrometric analysis of 2-alkylcyclobutanones - 3/30/2003, \$38.00

prEN 10169-1, Continuously organic coated (coil coated) steel flat products - Part 1: General information (definitions, materials, tolerances, test methods) - 2/14/2003, \$42.00

prEN 10333, Tin coated steel (tinplate) intended for use in contact with foodstuffs, products and beverages for human and animal consumption - 4/14/2003, \$26.00

prEN 10334, Non-coated steel for packaging (blackplate) intended for use in contact with foodstuffs, products and beverages for human and animal consumption - 4/14/2003, \$24.00

prEN 10335, Chromium coated steel intended for use in contact with foodstuffs, products or beverages for human and animal consumption - 4/14/2003, \$26.00

prEN 13419-1 REVIEW, Building products - Determination of the emission of volatile organic compounds - Part 1: Emission test chamber method - 4/14/2003, \$42.00

prEN 13419-2 REVIEW, Building products - Determination of the emission of volatile organic compounds - Part 2: Emission test cell method - 4/14/2003, \$46.00

prEN 13419-3 REVIEW, Building products - Determination of the emission of volatile organic compounds - Part 3: Procedure for sampling, storage of samples and preparation of test specimens - 4/14/2003, \$35.00

prEN 13824, Sterilization of medical devices - Validation and routine control of aseptic processes - Requirements and guidance - 12/18/2002, \$88.00

prEN 14471, Chimneys - System chimneys with plastic flue liners - Requirements and test methods - 3/30/2003, \$88.00

prEN 14592, Timber structures - Fasteners - Requirements - 4/14/2003, \$56.00

prEN ISO 294-3 REVIEW, Plastics - Injection moulding of test specimens of thermoplastic materials - Part 3: Small plates (ISO 294-3: 2002) - 4/14/2003, \$20.00

prEN ISO 604 REVIEW, Plastics - Determination of compressive properties (ISO 604: 2002) - 4/14/2003, \$20.00

prEN ISO 2758, Paper - Determination of bursting strength (ISO 2758: 2001) - 4/14/2003, \$20.00

prEN ISO 2759, Board - Determination of bursting strength (ISO 2759: 2001) - 4/14/2003, \$20.00

prEN ISO 3167 REVIEW, Plastics - Multipurpose test specimens (ISO 3167: 2002) - 4/14/2003, \$20.00

prEN ISO 3657, Animal and vegetable fats and oils - Determination of saponification value (ISO 3657: 2002) - 4/14/2003, \$20.00

prEN ISO 6683 REVIEW, Earth-moving machinery - Seat belts and seat belt anchorages (ISO/DIS 6683: 2002) - 3/7/2003, \$20.00

prEN ISO 8388, Knitted fabrics - Types - Vocabulary (ISO 8388: 1998) - 4/14/2003, \$20.00

prEN ISO 15186-1, Acoustics - Measurement of sound insulation in buildings and of building elements using sound intensity - Part 1: Laboratory measurements (ISO 15186-1: 2000) - 4/14/2003, \$20.00

EXPLOSIVES

prEN 13463-2, Non-electrical equipment intended for use in potentially explosive atmospheres - Part 2: Protection by flow restricting enclosure "fr" - 2/14/2003, \$30.00

European drafts sent for formal vote (for information)

The following European drafts have been sent to CEN members for formal vote. If the draft is a proposed adoption of an International Standard, it is so noted.

prCEN/TS 14588, Solid biofuels - Terminology, definitions and descriptions

prCEN/TS 13354, Solid wood panels - Bonding quality - Test method

prEN 10305-4, Steel tubes for precision applications - Technical delivery conditions - Part 4: Seamless cold drawn tubes for hydraulic and pneumatic power systems

prEN 12903 REVIEW, Products used for treatment of water intended for human consumption - Powdered activated carbon

prEN 12915-2, Products used for the treatment of water intended for human consumption - Granular activated carbon - Part 2: Reactivated granular activated carbon

prEN 13726-3, Non-active medical devices - Test methods for primary wound dressings - Part 3: Waterproofness

prEN 13726-4, Non-active medical devices - Test methods for primary wound dressings - Part 4: Conformability

prEN 13726-6, Non-active medical devices - Test methods for primary wound dressings - Part 6: Odour control

prEN 13775-1, Railway applications - Measuring of new and modified freight wagons - Part 1: Measuring principles

prEN 13775-2, Railway applications - Measuring of new and modified freight wagons - Part 2: Freight wagons with bogies

prEN 13775-3, Railway applications - Measuring of new and modified freight wagons - Part 3: Freight wagons with 2 wheels

prEN 13782, Temporary structures - Tents - Safety

prEN 13922, Tanks for transport of dangerous goods - Service equipment for tanks - Overfill prevention systems for liquid fuels

prEN 14079, Non-active medical devices - Performance requirements and test methods and test methods for absorbent cotton gauze and absorbent cotton and viscose gauze

prEN ISO 5136 REVIEW, Acoustics - Determination of sound power radiated into a duct by fans and other air-moving devices - In-duct method (ISO/FDIS 5136: 2002)

prEN ISO 11554 REVIEW, Optics and optical instruments - Lasers and laser-related equipment - Test methods for laser beam power, energy and temporal characteristics (ISO/FDIS 11554: 2002)

prEN ISO 11670 REVIEW, Lasers and laser related equipment - Test methods for laser beam parameters: Beam positional stability (ISO/FDIS 11670: 2002)

prEN ISO 11990 REVIEW, Optics and optical instruments - Lasers and laser-related equipment - Determination of laser resistance of tracheal tube shafts (ISO/FDIS 11990: 2002)

BOILERS

prEN 14222, Stainless steel shell boilers

COLD ROLLED STEEL

prEN 10162, Cold rolled steel sections - Technical delivery conditions - Dimensional and cross-sectional tolerances

CRYOGENIC VESSELS

prEN 13458-3, Cryogenic vessels - Static vacuum insulated vessels - Part 3: Operational requirements

GAS CYLINDERS

prEN 13952, LPG cylinders - Filling procedures

GRP TANKS AND VESSELS

prEN 13121-1, GRP tanks and vessels for use above ground - Part 1: Raw materials - Specification conditions and acceptance conditions

METALS

prEN 12501-1, Protection of metallic materials against corrosion - Corrosion likelihood in soil - Part 1: General

prEN 12501-2, Protection of metallic materials against corrosion - Corrosion likelihood in soil - Part 2: Low alloyed and non alloyed ferrous materials

prEN 13523-22, Coil coated metals - Test methods - Part 22: Colour difference - Visual comparison

RAILWAY APPLICATIONS

prEN 13674-1, Railway applications - Track - Rail - Part 1: Vignole railway rails 46 kg/m and above

SOLID WOOD PANELS

prEN 13353, Solid wood panels (SWP) - Requirements

STRUCTURAL TIMBER

prEN 384 REVIEW, Structural timber - Determination of characteristic values of mechanical properties and density

TEXTILES

prEN 14215, Textile floor coverings - Classification of machine-made pile rugs and runners

WATER

prEN 12915-1, Products used for the treatment of water intended for human consumption - Granular activated carbon - Part 1: Virgin granular activated carbon

WATER QUALITY

prEN 13946, Water quality - Guidance Standard for the routine sampling and pretreatment of benthic diatoms from rivers

WATER TREATMENT

prEN 12907, Products used for treatment of water intended for human consumption - Pyrolyzed coal material

CEN/CENELEC

Formal vote launched (for information)

The following European drafts and/or Harmonization Documents have been sent to CEN/CENELEC members for formal vote. If the draft is a proposed adoption of an International Standard, it is so noted.

EN ISO 14971: 2000/prA1, Medical devices - Application of risk management to medical devices - Amendment 1: Rational for requirements (ISO 14971: 2000/FDAM 1: 2002)

Registration of Organization Names in the United States

The Procedures for Registration of Organization Names in the United States of America (document ISSB 989) require that alphanumeric organization names be subject to a 90-day Public Review period prior to registration. For further information, please contact the Registration Coordinator at (212) 642-4975.

The following is a list of alphanumeric organization names that have been submitted to ANSI for registration. Alphanumeric names appearing for the first time are printed in bold type. Names with confidential contact information, as requested by the organization, list only public review dates.

PUBLIC REVIEW

Misys Hospital Systems, Inc. d/b/a Misys Healthcare Systems

Organization: Misys Healthcare Systems
4801 E. Broadway
Tucson, AZ 85711
Contact: Michael Buchanan
PHONE: 520-570-2000; FAX: 520-733-6707
E-mail: Michael.buchanan@misyshealthcare.com

Public review: November 18, 2002 to February 16, 2003

Novasonics

Public review: September 23, 2002 to December 22, 2002

SMUD.ORG

Organization: Sacramento Municipal Utility District
6201 S Street, MS B254
Sacramento, CA 95817
Contact: Michael Hewitt
PHONE: 916-732-6414; FAX: 916-732-7600
E-mail: mhewitt@smud.org

Public review: September 9, 2002 to December 8, 2002

NOTE: Challenged alphanumeric names are underlined. The Procedures for Registration provide for a challenge process, which follows in brief. For complete details, see Section 6.4 of the Procedures.

A challenge is initiated when a letter from an interested entity is received by the Registration Coordinator. The letter shall identify the alphanumeric organization name being challenged and state the rationale supporting the challenge. A challenge fee shall accompany the letter. After receipt of the challenge, the alphanumeric organization name shall be marked as challenged in the Public Review list. The Registration Coordinator shall take no further action to register the challenged name until the challenge is resolved among the disputing parties.

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 members 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, who in turn disseminates the information to all WTO members. The purpose of this requirement is to provide trading partners with an opportunity to review and comment on the regulation before it becomes final.

To distribute information on these proposed foreign technical regulations, the National Center for Standards and Certification Information

(NCSCI), National Institute of Standards and Technology (NIST), provides an on-line service - Export Alert! - that allows interested parties to register and obtain notifications, via e-mail, for countries and industry sectors of interest to them. To register, go to <http://ts.nist.gov/ncsci> and click on "Export Alert!".

NCSCI serves as the U.S. WTO TBT inquiry point and receives copies of all notifications, in English, to disseminate to U.S. industry. To obtain copies of the full text of the regulations or for further information, contact NCSCI, NIST, 100 Bureau Drive, Stop 2160, Gaithersburg, MD 20899-2160; telephone (301) 975-4040; fax (301) 926-1559, e-mail - ncsci@nist.gov.

NCSCI will also request an extension of the comment period and transmit comments to the issuing foreign agency for consideration.

Information Concerning

American National Standards

Withdrawal

ANSI/UL 1418, Standard for Safety for Cathode Ray Tubes

UL is withdrawing its registration for the subject standard. Because of the recent publication and ANSI approval of the Standard for Mechanical Safety of Cathode Ray Tubes, UL 61965, which is superceding BSR/UL 1418 effective January 1, 2003, UL requests withdrawal of this standard.

Accredited Sponsors Using the Canvass Method

Application for Accreditation

Steel Deck Institute (SDI)

Comment Deadline: December 30, 2002

The Steel Deck Institute (SDI) has submitted an Application for Accreditation as a Developer of American National Standards under the Canvass Method of developing consensus. SDI's proposed scope of standards activities is as follows:

The Steel Deck Institute (SDI) was incorporated in 1939 as a not for profit trade organization representing manufacturers of steel decks and products used in conjunction with steel deck. The SDI has provided uniform industry standards for the engineering, design, manufacture and field usage of steel roof decks, composite floor decks, and form decks.

As developments in steel products, steel manufacturing, steel design, and building methods have occurred, the SDI has continually revised and upgraded its standards as necessary.

Continuing SDI functions include preparation, review, and distribution of literature, referral of inquiries to appropriate sources, coordination of research and testing, and liaison with other construction industry associations on matters of common interest.

The Institute has been a major source of information and standards to the design community for their use in the preparation of project specifications and plans for the use of steel deck in construction.

The SDI seeks accreditation by ANSI as a standards developer in submitting SDI specifications and commentary for composite steel floor deck, non-composite steel floor deck (form deck), and steel roof deck as standards.

SDI will operate under the Canvass Method of developing consensus using the model Procedures for Canvass by an Accredited Sponsor, as contained in Annex B of the ANSI Procedures for the Development and Coordination of American National Standards.

For additional information or to offer comments on SDI's application, please contact: Mr. Carl Koehler, Executive Vice-President, Bouras Inc., P.O. Box 662, Summit, NJ 07901; PHONE: (908) 277-1617; FAX: (908) 277-1619; E-mail: carlkoehler@bourasind.com. Please forward any comments to Mr. Koehler by December 30, 2002, with a copy to the Recording Secretary, ExSC at ANSI's New York Office (FAX: (212) 840-2298; E-mail: jthomps@ansi.org).

Notice of Delay

Eighth Edition of UL 924, the Standard for Safety for Emergency Lighting and Power Equipment

Underwriters Laboratories announces a delay in the canvass program to obtain consensus for ANSI recognition of the subject standard. For additional information contact: Linda Phinney, Underwriters Laboratories Inc., 1655 Scott Blvd., Santa Clara, CA 95050, PHONE: (408) 876-2688, E-mail Linda.L.Phinney@us.ul.com.

International Organization for Standardization (ISO)

Call for New Secretary

Relinquishment of ISO Secretariat

ISO/TC 215 - Health Informatics

Comment Deadline: January 28, 2003

ANSI has been advised that ASTM International no longer wish to serve as Secretary for this ISO Technical Committee.

The scope of ISO/TC 215 as follows:

Standardization in the field of information for health, and Health Information and Communications Technology (ICT) to achieve compatibility and interoperability between independent systems. Also, to ensure compatibility of data for comparative statistical purposes (e.g., classifications), and to reduce duplication of effort and redundancies.

Any organization wishing to assume the role of US delegated Secretariat, please contact Henrietta Scully via e-mail: hscully@ansi.org; mail: c/o ANSI, 25 West 43rd Street, New York, NY 10036; or fax to (212) 730-1346 by January 28, 2003.

Call for New Secretary

Relinquishment of ISO Technical Committee Secretariat

ISO/TC 204 - Transport information and control systems

Comment Deadline: January 28, 2003

ANSI has been advised SAE no longer wishes to serve as the delegated US Secretariat for ISO/TC 204.

The scope of ISO/TC 204 is as follows:

Standardization of information, communication and control systems in the field of urban and rural surface transportation, including intermodal and multimodal aspects thereof, traveller information, traffic management, public transport, commercial transport, emergency services and commercial services in the transport information and control systems (TICS) field.

Excluded: in-vehicle transport information and control systems (ISO/TC 22).

Note: ISO / TC 204 is responsible for the overall system aspects and infrastructure aspects of transport information and control systems (TICS), as well as the coordination of the overall ISO work programme in this field including the schedule for standards development, taking into account the work of existing international standardization bodies.

Any organization wishing to assume the role of US delegated Secretariat, please contact Henrietta Scully via e-mail: hscully@ansi.org; mail: c/o ANSI, 25 West 43rd Street, New York, NY 10036; or fax to (212) 730-1346 before January 28, 2003.

Notice of New Secretariat

ISO/TC 8/SC 5 - Ships' bridge layout

Comment Deadline: December 30, 2002

ANSI has been advised that Sperry Marine wishes to serve as Secretary for this International Subcommittee.

The scope of ISO/TC 8 as follows:

Standardization of design, construction, structural elements, outfitting parts, equipment, methods and technology, and marine environmental matters, used in shipbuilding and the operation of ships, comprising sea-going ships, vessels for inland navigation, offshore structures, ship-to-shore interface and all other marine structures subject to IMO requirements.

Excluded: electrical and electronic equipment on board ships and marine structures (IEC/TC 18 and IEC/TC 80); internal combustion engines (ISO/TC 70); offshore structures for petroleum and natural gas industries, including procedures for assessment of the site specific application of mobile offshore drilling and accommodation units for the petroleum and natural gas industry (ISO/TC 67/SC 7); steel and aluminum structures (ISO/TC 167); equipment and construction details of recreational craft and other small craft (not being lifeboats and lifesaving equipment) less than 24 metres in overall length (ISO/TC 188); sea bed mining; equipment which is not specific for use on board ships and marine structures (e.g., pipes, steel wire ropes, etc.) and falling within the scope of particular ISO technical committees with which a regular mutual liaison must be maintained.

Anyone wishing to comment on ANSI undertaking this Secretariat, please contact Henrietta Scully via e-mail: hscully@ansi.org; mail: c/o ANSI, 25 West 43rd Street, New York, NY 10036; or fax to (212) 730-1346 by December 30, 2002.

U.S. Technical Advisory Groups

Application for Accreditation

ISO/TC 98/SC 2 - Reliability of structures

Comment Deadline: December 30, 2002

The American Forest & Paper Association (AFPA) has submitted an Application for Accreditation for the U.S. Technical Advisory Group to ISO/TC 98/SC 2, Reliability of Structures, and a request for approval as TAG Administrator. The U.S. TAG to ISO/TC 98/SC 2 plans to operating using the Model Operating Procedures for U.S. Technical Advisory Groups to ANSI for ISO Activities, as contained in Annex A of the ANSI International Procedures.

For additional information, or to offer comments, please contact: Mr. Peter Mazikins, Senior Manager, International Standards, American Forest & Paper Association, 1111-19th Street NW, Suite 800, Washington, DC 20036; PHONE: (202) 463-2584; FAX: (202) 463-2791; E-mail: Peter_Mazikins@afandpa.org. Please forward your comments to AFPA, with a copy to the Recording Secretary, ExSC, in ANSI's New York Office (FAX: (212) 840-2298; E-mail: jthomps@ansi.org) by December 30, 2002.

BSR/NSF 184-200X

6 Performance

6.1 Soil removal

6.1.1 Performance requirement

When operated in accordance with the manufacturer's instructions, a dishwasher shall render dishes free of soil and detergents.

6.1.2 Test method

The soil removal efficacy of a residential dishwasher shall be evaluated by observing its ability to remove test soil from dishes, glasses, and utensils. The test soil used to assess the soil removal of the residential dishwashing equipment shall be cultured buttermilk with 1% milk-fat content.

The residential dishwasher shall be conditioned **and operated** according to sections 4.2, 4.3, 4.4, 4.6, 4.7.1, and 4.7.2 of ANSI/AHAM DW-1. Water hardness shall be between 4 and 200 ppm. Where necessary a cation exchange water softener may be used to maintain water hardness at this level.

Rationale: Error. The Joint Committee' intent is to have the unit conditioned prior to testing according to ANSI/AHAM DW-1, but during performance testing the unit is to be operated according to the manufacturer's instructions.