ANSI STANDARDS ACTION

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

*VOL. 38, #25* *June 22, 2007*

## Contents



# American National Standards

## Call for comment on proposals listed

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

**Ordering Instructions for "Call-for-Comment" Listings**

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

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

★ Standard for consumer products



**ISSN 0038-9633**

# Comment Deadline: July 22, 2007

## UL (Underwriters Laboratories, Inc.)

### *Revisions*

BSR/UL 80-200x, Standard for Safety for Steel Tanks for Oil-Burner Fuel (Bulletin dated June 22, 2007) (revision of ANSI/UL 80-2003)

Adds requirements for tank accessories and for double-bottom tanks; Revises requirements for the physical abuse tests, for the hydrostatic pressure test, for tank top and bottom openings, and for markings and instructions.

Click here to see these changes in full, or look at the end of "Standards Action."

Send comments (with copy to BSR) to: Edward Minasian, UL-NY; Edward.D.Minasian@us.ul.com

BSR/UL 867-200x, Electrostatic Air Cleaners (Proposal dated 6/22/07) (revision of ANSI/UL 867-2004)

This standard proposes to clarify ozone testing of electrostatic air cleaners and ionizers.

Click here to see these changes in full, or look at the end of "Standards Action."

Send comments (with copy to BSR) to: Barbara Davis, UL-CA, Barbara.J.Davis@us.ul.com

# Comment Deadline: August 6, 2007

## AHAM (Association of Home Appliance Manufacturers)

### *New Standards*

BSR/AHAM ER-1-200x, Household Electric Ranges (new standard)

Establishes a uniform, repeatable procedure or standard method for evaluating the performance of household electric ranges. The standard methods provide a means to compare and evaluate different brands and models of household electric ranges regarding characteristics significant to product use. The standard methods are not intended to inhibit improvement and innovation in product testing, design or performance.

Single copy price: Free

Obtain an electronic copy from: jmoyer@aham.org

Order from: Jennifer Moyer, AHAM; jmoyer@aham.org

Send comments (with copy to BSR) to: Same

## ASA (ASC S12) (Acoustical Society of America)

### *New Standards*

BSR S12.68-200x, Methods of Estimating Effective A-Weighted Sound Pressure Levels when Hearing Protectors Are Worn (new standard)

Specifies three methods, in ascending order of complexity of use and potential accuracy, for estimation of sound pressure levels that are effective when a hearing protector is worn:
(1) Noise Level Reduction Statistic for use with A-weighting (NRSA),
(2) Noise level Reduction Statistic, Graphical (NRSG); and
(3) The octave-band method.
Also specifies, in the case of NRSA and NRSG, that values will be presented for both 80th and 20th percentiles to reflect the range of attenuation that can be anticipated.

Single copy price: $120.00

Obtain an electronic copy from: sblaeser@aip.org

Order from: Susan Blaeser, ASA; sblaeser@aip.org; asastds@aip.org

Send comments (with copy to BSR) to: Same

## AWS (American Welding Society)

### *Revisions*

BSR/AWS D14.5/D14.5M-200x, Specification for Welding of Presses and Press Components (revision of ANSI/AWS D14.5-1997)

Requirements are presented for the design and fabrication of cyclically loaded press weldments, which includes the weld repair of new and existing components. Filler metals and weld procedure specifications are recommended for the applicable base metals that are limited to those consisting of carbon and low-alloy steels. Allowable unit stresses are provided for weld metal and base metal for vavious cyclically loaded joint designs.

Single copy price: $92.00

Obtain an electronic copy from: roneill@aws.org

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

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

## CSA (3) (CSA America, Inc.)

### *Reaffirmations*

BSR Z21.15-1992 (R200x), American National Standard/CSA Standard for Manually Operated Gas Valves for Appliances, Appliance Connector Valves and Hose End Valves (reaffirmation of ANSI Z21.15-1992)

Details test and examination criteria for manually-operated gas valves, not exceeding 4 inches (102 mm) pipe size, and pilot shut-off devices, except for hose end valves and appliance connector valves, intended to be used as part of a gas-fired appliance.

Single copy price: $349.00

Obtain an electronic copy from: al.callahan@csa-america.org

Order from: Allen Callahan, CSA; al.callahan@csa-america.org

Send comments (with copy to BSR) to: Same

BSR Z21.19-1990 (R200x), American National Standard/CSA Standard for Refrigerators using Gas Fuel (same as CSA 1.4) (reaffirmation of ANSI Z21.19-1990 (R1999))

Covers testing and examination criteria for residential gas-fired refrigerators provided with a direct, self-contained type of system employing the absorption or adsorption principle of refrigeration using Group 2 refrigerants in quantities not exceeding 6 lb (2.72 kg) for use with natural gas, liquefied petroleum (propane) gases, or convertible for use with natural gas and liquefied petroleum (propane) gases. This standard also covers all electrical equipment, wiring and accessories built in or supplied with gas-fired refrigerators for use with low-voltage direct current or alternating current.

Single copy price: $441.00

Obtain an electronic copy from: al.callahan@csa-america.org

Order from: Allen Callahan, CSA; al.callahan@csa-america.org

Send comments (with copy to BSR) to: Same

BSR Z21.54-1996 (R200x), American National Standard/CSA Standard for Gas Hose Connectors for Portable Outdoor Gas-Fired Appliances (reaffirmation of ANSI Z21.54-1996 (R2001))

Details test and examination criteria for gas hose connectors suitable for connecting portable outdoor 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 1/2 psi (3.45 kPa). These connectors are intended for use in unconcealed outdoor locations unlikely to be subject to excessive temperatures [above 200 F (93.5 C)].

Single copy price: $324.00

Obtain an electronic copy from: al.callahan@csa-america.org

Order from: Allen Callahan, CSA; al.callahan@csa-america.org

Send comments (with copy to BSR) to: Same

BSR Z21.69-2002 (R200x), American National Standard/CSA Standard for Connectors for Movable Gas Appliances (reaffirmation of ANSI Z21.69-2002)

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: $329.00

Obtain an electronic copy from: al.callahan@csa-america.org

Order from: Allen Callahan, CSA; al.callahan@csa-america.org

Send comments (with copy to BSR) to: Same

## HIBCC (Health Industry Business Communications Council)

### *New Standards*

★ BSR/HIBCC 3.0-200x, Positive Identification for Patient Safety; Part 1: Medication Delivery (new standard)

Defines the data formats for the data carriers (barcodes, 2-D symbols, or RFID tags) that are used to automatically capture information that positively identifies objects in the processes around medication administration and management. The objects include:

- Employee badges;
- Patient wristbands;
- Non-IV medications;
- IV medications;
- Smart infusion pumps; and
- Device license plate labeling for intelligent devices.

Single copy price: Free

Obtain an electronic copy from: www.hibcc.org or info@hibcc.org

Order from: info@hibcc.org

Send comments (with copy to BSR) to: Sara Polansky, HIBCC; sph@hibcc.org

### *Revisions*

BSR/HIBCC 2.3-200x, The Health Industry Bar Code (HIBC) Supplier Labeling Standard (revision and redesignation of ANSI/HIBCC 2.2-2006)

- Specifies the minimum requirements and optional structures for the machine-readable identification for health industry product;
- Provides guidance for the formatting and placement of data presented in linear bar code, two-dimensional symbol, or human-readable form;
- Makes recommendations as to label placement, size, material and the inclusion of free text and any appropriate graphics.

Single copy price: Free

Obtain an electronic copy from: www.hibcc.org or info@hibcc.org

Order from: info@hibcc.org

Send comments (with copy to BSR) to: Sara Polansky, HIBCC; sph@hibcc.org

## HL7 (Health Level Seven)

### *New Standards*

BSR/HL7 V3 RBAC, R1-200x, HL7 Version 3 Standard: Role-Based Access Control Healthcare Permission Catalog, Release 1 (new standard)

The Healthcare Permission Catalog provides the necessary content for creating interoperable roles facilitating inter-organizational communications and information sharing among healthcare organizations and their business partners. Since its ballot as a DSTU in the Jan 2007 ballot cycle, the vocabulary has been updated to separate actions and objects, which previously had been described as bound pairs. Changes incorproate all earlier descriptions while allowing greater flexibility for future expansion.

Single copy price: Free (HL7 members); $600.00 (nonmembers)

Obtain an electronic copy from: Karenvan@HL7.org

Order from: Karen Van Hentenryck, HL7; karenvan@HL7.org

Send comments (with copy to BSR) to: Same

## NCPDP (National Council for Prescription Drug Programs)

### *Revisions*

BSR/NCPDP SC V10.1-200x, Prescriber/Pharmacist Interface SCRIPT, Version 10.1 (revision and redesignation of ANSI/NCPDP SC V10.0-2007)

Provides general guidelines for developers of pharmacy or physician management systems who wish to provide prescription transmission functionality to their clients. The standard addresses the:
- electronic transmission of new prescriptions;
- prescription refill requests;
- prescription fill status notifications; and
- cancellation notifications.

Single copy price: $650.00

Obtain an electronic copy from: kkrempin@ncpdp.org

Order from: Kittye Krempin, NCPDP; kkrempin@ncpdp.org

Send comments (with copy to BSR) to: Same

## TIA (Telecommunications Industry Association)

### *Addenda*

BSR/TIA 942-1-200x, Telecommunications Infrastructure Standard for Data Centers - Data Center Coaxial cable and T-1, T-3, E-1, and E-3 circuit distances (addenda to ANSI/TIA 942-2005)

- Specifies additional requirements for connectors to be used for 75-ohm coaxial cabling in data centers;
- Specifies testing requirements for 75-ohm coaxial cabling in data centers;
- Provides an allowance for longer horizontal cabling originating from the MDA for coaxial cable; and
- Amends E1, T1, E3, and T3 maximum circuit distances specified in Annex A of TIA 942.

Single copy price: $47.00

Obtain an electronic copy from: global@ihs.com

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

Send comments (with copy to BSR) to: Marianna Kramarikova, TIA; mkramarikova@tiaonline.org

### UL (Underwriters Laboratories, Inc.)

***Revisions***

BSR/UL 60079-11-200x, Standard for Safety for Explosive Atmospheres - Part 11: Equipment Protection by Intrinsic Safety "i" (revision of ANSI/UL 60079-11-2002 (R2007))

Specifies the construction and testing of intrinsically safe apparatus intended for use Class 1, Zone 0, 1, or 2 hazardous (classified) locations as defined by the NEC, NFPA 70, and for associated apparatus, which is intended for connection to intrinsically safe circuits that enter such atmospheres.

Single copy price: Contact comm2000 for pricing and delivery options

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

Order from: comm2000

Send comments (with copy to BSR) to: Patti Van Laeke, UL-NC; Patricia.Vanlaeke@us.ul.com

### VITA (VMEbus International Trade Association (VITA))

***New Standards***

BSR/VITA 46.0-200x, VPX (new standard)

Describes VITA 46.0 VPX for VMEbus systems, an evolutionary step forward for the provision of high-speed interconnects in harsh-environment applications.

Single copy price: Free

Obtain an electronic copy from: techdir@vita.com

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

BSR/VITA 46.1-200x, VMEbus Signal Mapping for VITA 46 (new standard)

Supplements the VITA 46 base standard with the definition for the VMEbus signals as mapped to a VITA 46 connector.

Single copy price: Free

Obtain an electronic copy from: techdir@vita.com

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

## Comment Deadline: August 21, 2007

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

### ANS (American Nuclear Society)

***Reaffirmations***

BSR/ANS 58.3-1992 (R200x), Physical Protection for Nuclear Safety-Related Systems and Components (reaffirmation of ANSI/ANS 58.3-1992 (R1998))

Sets forth physical protection criteria for nuclear-safety-related systems and components in stations using light water reactors (LWRs). This standard includes an identification of potential hazards to nuclear-safety-related systems and components and acceptable means of ensuring the protection of this equipment from these hazards.

Single copy price: $104.00

Obtain an electronic copy from: Sue Cook, ANS; orders@ans.org

Order from: Sue Cook, ANS; orders@ans.org

Send comments (with copy to BSR) to: Patricia Schroeder, ANS; pschroeder@ans.org

### ASME (American Society of Mechanical Engineers)

***Withdrawals***

BSR/ASME Y14.36M-200X, Surface Texture Symbols (withdrawal of ANSI/ASME Y14.36M-1996 (R2002))

Establishes the method to designate controls for surface texture of solid materials. It includes methods for controlling roughness, waviness, and lay by providing a set of symbols for use on drawings, specifications, or other documents.

Single copy price: $48.00

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

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

Send comments (with copy to BSR) to: Calvin Gomez, ASME; gomezc@asme.org

### UL (Underwriters Laboratories, Inc.)

***New Standards***

★ BSR/UL 749-200x, Standard for Safety for Household Dishwashers (new standard)

This proposed eighth edition of the Standard for Safety for Household Dishwashers includes the following changes:
(a) Adds flammability requirements to align with changes in flammability requirements in the Standard for Polymeric Materials - Use In Electrical Equipment Evaluations, UL 746C;
(b) Adds requirements to address thermistor-type devices used as temperature controls;
(c) Clarifies requirements for seals and diaphragms;
(d) Clarifies accessibility requirements; and
(e) Replaces leakage current requirements with a reference to the Standard for Leakage Current for Appliances, UL 101.

Single copy price: Contact comm2000 for pricing and delivery options

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

Order from: comm2000

Send comments (with copy to BSR) to: Beth Northcott, UL-IL; Elizabeth.Northcott@us.ul.com

## Projects Withdrawn from Consideration

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

### LIA (ASC Z136) (Laser Institute of America)

BSR Z136.2.1-200x, Standard for the Safe Use of Free-Space Optical Communications Systems (new standard)

### UL (Underwriters Laboratories, Inc.)

BSR/UL 2221-200x, Standard for Safety for Fire Resistive Grease Ducts (new standard)

# 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:

**AHAM**
Association of Home Appliance Manufacturers
1111 19th Street N.W.
Suite 402
Washington, DC 20036
Phone: (202) 872 5955
Fax: (202) 872-9354
Web: www.aham.org

**ANS**
American Nuclear Society
555 North Kensington Avenue
La Grange Park, IL 60525
Phone: (708) 579-8210
Fax: (708) 352-6464
Web: www.ans.org/main.html

**ASA (ASC S1)**
ASC S1
35 Pinelawn Road Suite 114E
Melville, NY 11747
Phone: (631) 390-0215
Fax: (631) 390-0217
Web: asa.aip.org/index.html

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

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

**comm2000**
1414 Brook Drive
Downers Grove, IL 60515

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

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

**HIBCC**
Health Industry Business Communications Council
2525 E Arizona Biltmore Circle, Suite 127
Phoenix, AZ 85016
Phone: (602) 381-1091
Fax: (602) 381-1093
Web: www.hibcc.org

**HL7**
Health Level Seven
3300 Washtenaw Avenue
Suite 227
Ann Arbor, MI 48104-4250
Phone: (734) 677-7777 x104
Fax: (734) 677-6622
Web: www.hl7.org

**NCPDP**
National Council for Prescription Drug Programs
9240 E. Raintree Drive
Scottsdale, AZ 85260
Phone: (480) 477-1000
Web: www.ncpdp.org

# Send comments to:

**AHAM**
Association of Home Appliance Manufacturers
1111 19th Street N.W.
Suite 402
Washington, DC 20036
Phone: (202) 872 5955
Fax: (202) 872-9354
Web: www.aham.org

**ANS**
American Nuclear Society
555 North Kensington Avenue
La Grange Park, IL 60525
Phone: (708) 579-8269
Fax: (708) 352-6464
Web: www.ans.org/main.html

**ASA (ASC S1)**
ASC S1
35 Pinelawn Road Suite 114E
Melville, NY 11747
Phone: (631) 390-0215
Fax: (631) 390-0217
Web: asa.aip.org/index.html

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

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

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

**HIBCC**
Health Industry Business Communications Council
2525 E Arizona Biltmore Circle
Suite 127
Phoenix, AZ 85016
Phone: (602) 381-1091
Fax: (602) 381-1093
Web: www.hibcc.org

**HL7**
Health Level Seven
3300 Washtenaw Avenue
Suite 227
Ann Arbor, MI 48104-4250
Phone: (734) 677-7777 x104
Fax: (734) 677-6622
Web: www.hl7.org

**NCPDP**
National Council for Prescription Drug Programs
9240 E. Raintree Drive
Scottsdale, AZ 85260
Phone: (480) 477-1000
Web: www.ncpdp.org

**TIA**
Telecommunications Industry Association
2500 Wilson Blvd., Suite 300
Arlington, VA 22201
Phone: 703-907-7706
Fax: 703-907-7728
Web: www.tiaonline.org

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

**UL-IL**
Underwriters Laboratories, Inc.
333 Pfingsten Road
Northbrook, IL 60062-2096
Phone: (847) 664-3198
Fax: (847) 313-3198

**UL-NC**
Underwriters Laboratories
12 Laboratory Drive
Research Triangle Park, NC 27709
Phone: (919) 549-1723
Fax: (919) 547-6172

**UL-NY**
Underwriters Laboratories, Inc.
1285 Walt Whitman Road
Melville, NY 11747-3081
Phone: (631) 271-6200 x23305
Fax: (631) 439-6021

**VITA**
VMEbus International Trade Association (VITA)
PO Box 19658
Fountain Hills, AZ 85269
Phone: (480) 837-7486
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.

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**AMCA (Air Movement and Control Association)**

**Office:** 30 West University Drive
Arlington Heights, IL 60004-1893
*Contact:* *John Pakan*
**Phone:** 847-394-0150
**Fax:** 847-253-0088
**E-mail:** jpakan@amca.org

BSR/AMCA 300-200x, Reverberant Room Method for Sound Testing of Fans (new standard)

BSR/AMCA 320-200x, Laboratory Methods of Sound Testing of Fans Using Sound Intensity (new standard)

**EASA (Electrical Apparatus Service Association)**

**Office:** 1331 Baur Blvd.
St. Louis, MO 63132
*Contact:* *Thomas Bishop*
**Phone:** (314) 993-2220
**Fax:** (314) 993-1269
**E-mail:** tbishop@easa.com

BSR/EASA AR100-200x, Recommended Practice for the Repair of Rotating Electrical Apparatus (revision of ANSI/EASA AR100-2006)

# Final actions on American National Standards

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

### AMT (ASC B11) (Association for Manufacturing Technology)

***Reaffirmations***

ANSI B11.3-2002 (R2007), Machine Tools - Safety Requirements for Power Press Brakes (reaffirmation of ANSI B11.3-2002): 6/8/2007

ANSI B11.6-2001 (R2007), Machine Tools - Safety Requirements for Manual Turning Machines with or without Automatic Control (reaffirmation of ANSI B11.6-2001): 6/8/2007

ANSI B11.8-2001 (R2007), Machine Tools - Safety Requirements for Manual Milling, Drilling and Boring Machines with or without Automatic Control (reaffirmation of ANSI B11.8-2001): 6/8/2007

ANSI B11.11-2001 (R2007), Machine Tools - Safety Requirements for Gear and Spline Cutting Machines (reaffirmation of ANSI B11.11-2001): 6/8/2007

ANSI B11.15-2001 (R2007), Machine Tools - Safety Requirements for Pipe, Tube, and Shape Bending Machines (reaffirmation of ANSI B11.15-2001): 6/8/2007

### ASME (American Society of Mechanical Engineers)

***New Standards***

ANSI/ASME MFC-22-2007, Measurement of Liquid by Turbine Flowmeters (new standard): 6/8/2007

### EIA (Electronic Industries Alliance)

***Revisions***

ANSI/EIA 364-70B-2007, Temperature Rise Versus Current Test Procedure for Electrical Connectors and Sockets (revision of ANSI/EIA 364-70A-1998): 6/8/2007

### IEEE (Institute of Electrical and Electronics Engineers)

***Revisions***

ANSI/IEEE 382-2006, Standard for Qualification of Safety-Related Actuators for Nuclear Power Generating Stations (revision of ANSI/IEEE 382-1996 (R2004)): 6/6/2007

ANSI/IEEE 572-2006, Standard for Qualification of Class 1E Connection Assemblies for Nuclear Power Generating Stations (revision of ANSI/IEEE 572-2004): 6/11/2007

### ISA (ISA)

***New Standards***

ANSI/ISA 75.13.01-2007, Method of Evaluating the Performance of Positioners with Analog Input Signals and Pneumatic Output (new standard): 6/8/2007

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

***New National Adoptions***

INCITS/ISO/IEC 1989:2002/TC1:2006, Information technology - Programming languages - COBOL - Technical Corrigendum 1 (identical national adoption of ISO/IEC 1989:2002/TC1:2006): 6/8/2007

INCITS/ISO/IEC 1989:2002/TC2:2006, Information technology - Programming languages - COBOL - Technical Corrigendum 2 (identical national adoption of ISO/IEC 1989:2002/TC2:2006): 6/8/2007

### NAAMM (National Association of Architectural Metal Manufacturers)

***New Standards***

ANSI/NAAMM HMMA 841-2007, Tolerances and Clearances for Commercial Hollow Metal Doors and Frames (new standard): 6/12/2007

### UL (Underwriters Laboratories, Inc.)

***New National Adoptions***

ANSI/UL 372-2007, Automatic electrical controls for household and similar use - Part 2: Particular requirements for burner ignition systems and components (national adoption with modifications of IEC 60730-2-5): 6/12/2007

***New Standards***

★ ANSI/UL 1177-2007, Standard for Safety for Buoyant Vests (new standard): 6/6/2007

***Revisions***

ANSI/UL 141-2007, Garment Finishing Appliances (Proposal dated 3-2-07) (revision of ANSI/UL 141-2002): 6/6/2007

# Correction

**ASTM D3831 - Incorrect Listing**

In a recent issue of Standards Action, a reaffrimation of ASTM D3831 was listed as approved. That reaffirmation was incorrectly included in the Final Actions section. It is still currently under development and has not yet been approved.

# Project Initiation Notification System (PINS)

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

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

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

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

**Office:** 1110 N Glebe Road
Suite 220
Arlington, VA 22201

*Contact:* *Hillary Woehrle*

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

**E-mail:** hwoehrle@aami.org

BSR/AAMI/ISO 15223-1-200x, Medical devices - Symbols to be used with medical device labels, labeling and information to be supplied (Alignment of ISO 15223-1:2007 and EN 980:2003) (identical national adoption and revision of ANSI/AAMI/ISO 15223-1-2007)

Stakeholders: Manufacturers of medical devices, health care providers, health care regulatory authorities, testing organizations.

Project Need: To harmonize ISO and European symbols for medical devices.

Identifies requirements for the development, use and appearance of symbols that may be used to convey information on the safe and effective use of medical devices. It also lists symbols and accompanying text and/or notes that satisfy the requirements of the proposed standard. The proposed standard is applicable to symbols used in a broad spectrum of devices that may be marketed globally or regionally. These symbols may be used on the device itself or its package or in the associated documentation.

**AMCA (Air Movement and Control Association)**

**Office:** 30 West University Drive
Arlington Heights, IL 60004-1893

*Contact:* *John Pakan*

**Fax:** 847-253-0088

**E-mail:** jpakan@amca.org

BSR/AMCA 300-200x, Reverberant Room Method for Sound Testing of Fans (new standard)

Stakeholders: Laboratories, fan manufacturers, architects, building owners.

Project Need: To standardize the method for measuring the sound power level of a fan.

The method of testing the sound power level of a fan employs standard sound measurement instrumentation, which is applied to rooms that are restricted to certain acoustic properties. The test setups are designed to represent the physical orientation of a fan as-installed. The test setup requirements in this standard establish the laboratory conditions necessary for a successful test. It is not recommended for field measurements.

BSR/AMCA 320-200x, Laboratory Methods of Sound Testing of Fans Using Sound Intensity (new standard)

Stakeholders: Laboratories, fan manufacturers, architects, building owners.

Project Need: To establish a method of determining the octave band sound power levels of a fan.

This standard determines sound power levels of a fan using sound intensity measurements on a measurement surface that encloses the sound source. Guidelines are provided on suitable test environment acoustical characteristics, the measurement surface, and the number of intensity measurements.

**API (American Petroleum Institute)**

**Office:** 1220 L Street, N.W.
Washington, DC 20005

*Contact:* *Carriann Kuryla*

**Fax:** (202) 962-4797

**E-mail:** kurylac@api.org

BSR/GPA 2172/ API MPMS CH. 14.5, 3rd Edition-200x, Calculation of Gross Heating Value, Specific Gravity, and Compressibility of Natural Gas Mixtures from Compositional Analysis (new standard)

Stakeholders: Facilities design.

Project Need: To update information in current GPA standards and bulletins.

This standard presents procedures for calculating, at base conditions from composition, the following properties of natural gas mixtures: gross heating value, relative density (real and ideal), compressibility factor and potential hydrocarbon liquid content which in the U.S. is typically expressed as GPM, the abbreviation for gallons of liquid per thousand cubic feet of gas.

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

**Office:** 1212 West Street, Suite 200
Annapolis, MD 21401
*Contact:* *Janet Busch*
**Fax:** (410) 267-0961
**E-mail:** janet.busch@x9.org

BSR X9.84-200x, Biometric Information Management and Security (revision of ANSI X9.84-2003)

Stakeholders: Financial institutions, authentication service providers, auditors, and biometric technology manufacturers.

Project Need: To revise the existing standard with data derived from ISO 19092.

This standard specifies the minimum security requirements for effective management of biometric data. This standard does not require nor recommend confidentiality of biometric information for the purposes of security; however, it provides the mandatory means whereby biometric information may be encrypted for reasons of privacy or other perceived liabilities. This standard assumes that identification of an individual is on a voluntary basis whereby the individual is recognized as part of the transaction process and is not intended for surreptitious activity.

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

**Office:** 1200 G Street NW, Ste 500
Washington, DC 20005
*Contact:* *Kerrianne Conn*
**Fax:** 202-347-7125
**E-mail:** kconn@atis.org

BSR ATIS 0600307-200x, Fire Resistance Criteria -- Ignitability Requirements for Equipment Assemblies, Ancillary Non-Metallic Apparatus, and Fire Spread Requirements for Wire and Cable (revision and redesignation of ANSI T1.307-2003)

Stakeholders: Telecommunications industry.

Project Need: To cover the fire-resistance characteristics of equipment assemblies and selected products and materials used within telecommunications network equipment facilities and spaces of similar function.

This standard is intended to cover the fire-resistance characteristics of equipment assemblies and selected products and materials used within service provider's telecommunications networks, including OSP enclosures.

BSR ATIS 0600329-200x, Network Equipment - Earthquake Resistance (revision and redesignation of ANSI T1.329-2002)

Stakeholders: Telecommunications industry.

Project Need: To establish minimum levels of robustness for telecommunications equipment that may provide a level of survivability to preserve telecommunications services during and after an earthquake.

This standard, when used with established earthquake qualification practices; sets forth test methods, performance requirements, and acceptance criteria for determining the earthquake resistance of telecommunications equipment. Earthquake resistance is the equipment's ability to maintain a defined level of functionality without physical damage, disruption of service, or personnel hazard, during and after an earthquake.

**DMSC, Inc. (Dimensional Metrology Standards Consortium, Inc.)**

**Office:** 1228 Enclave Circle #301
Arlington, TX 76011
*Contact:* *Bailey Squier*
**Fax:** (817) 461-4845
**E-mail:** bsquier@dmis.org

BSR/DMIS 105.1 2007, Part 1-200x, Dimensional Measuring Interface Standard (DMIS Rev. 5.1) (revision and redesignation of ANSI/CAM-I 105.0-2005, Part 1)

Stakeholders: Machined parts manufacturers.

Project Need: To provide continuous improvement (fixes, changes, enhancements) for the only inspection interface standard of its kind.

Provides for the bi-directional communication of inspection data between computer systems and inspection equipment. DMIS provides the vocabulary to pass inspection programs to measuring equipment and to pass measurement and process data back to an analysis, collection, or archiving system. DMIS defines a neutral format for data exchange, and is designed to be man-readable and man-writable.

**EASA (Electrical Apparatus Service Association)**

**Office:** 1331 Baur Blvd.
St. Louis, MO 63132
*Contact:* *Thomas Bishop*
**Fax:** (314) 993-1269
**E-mail:** tbishop@easa.com

BSR/EASA AR100-200x, Recommended Practice for the Repair of Rotating Electrical Apparatus (revision of ANSI/EASA AR100-2006)

Stakeholders: Electrical apparatus service centers and end users.

Project Need: To provide periodic reaffirmation or revision of standards, as required by EASA and ANSI procedures.

Describes recordkeeping, tests, analysis, and general guidelines for the repair of rotating electrical apparatus, including generators and motors.

**ISA (ISA)**

**Office:** 67 Alexander Drive
Research Triangle Park, NC 27709
*Contact:* *Eliana Beattie*
**Fax:** (919) 549-8288
**E-mail:** ebeattie@isa.org

BSR/ISA 75.01.01 (IEC 60534-2-1 Mod)-200x, Flow Equations for Sizing Control Valves (revision of ANSI/ISA 75.01.01-2002)

Stakeholders: Consumers, manufacturers, regulatory bodies.

Project Need: To provide automation professionals with an accurate means for flow coefficient prediction of various fluids through control valves.

Includes equations for predicting the flow coefficient of compressible and incompressible fluids through control valves.

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

**Office:** 12 Laboratory Drive
Research Triangle Park, NC 27709

*Contact:* *Patti Van Laeke*

**Fax:** (919) 547-6172

**E-mail:** Patricia.Vanlaeke@us.ul.com

BSR/UL 698A-200x, Standard for Safety for Industrial Control Panels Relating to Hazardous (Classified) Locations (new standard)

Stakeholders: Manufacturers and users of industrial control panels relating to hazardous (classified) locations.

Project Need: To attain a national-based standard covering industrial control panels relating to hazardous (classified) locations.

These requirements:
- cover industrial control panels intended for general industrial use and installation in unclassified locations with intrinsically safe circuit ext. into Class I, II, and III, Division 1 hazardous (classified) locations in accordance with the NEC, NFPA 70;
- are not intended for metal-working machine tools, plastic injection molding, power press controls, flame safety supervision of combustible fuel type equipment, or elevator controls;
- do not cover electrostatic devices, circuits or systems, gas or vapor analysis equipment or other equipment having a process line brought into an enclosure.

# American National Standards Maintained Under Continuous Maintenance

The ANSI Essential Requirements: Due Process Requirements for American National Standards provide two options for the maintenance of American National Standards (ANS): periodic maintenance (see clause 4.7.1) and continuous maintenance (see clause 4.7.2). Continuous maintenance is defined as follows:

The standard shall be maintained by an accredited standards developer. A documented program for periodic publication of revisions shall be established by the standards developer. Processing of these revisions shall be in accordance with these procedures. The published standard shall include a clear statement of the intent to consider requests for change and information on the submittal of such requests. Procedures shall be established for timely, documented consensus action on each request for change and no portion of the standard shall be excluded from the revision process. In the event that no revisions are issued for a period of four years, action to reaffirm or withdraw the standard shall be taken in accordance with the procedures contained in the ANSI Essential Requirements.

The Executive Standards Council (ExSC) has determined that for standards maintained under the Continuous Maintenance option, separate PINS announcements are not required. The following ANSI Accredited Standards Developers have formally registered standards under the Continuous Maintenance option.

- AAMVA
- AGRSS, Inc
- ASC B109 (AGA)
- ASHRAE
- ASME
- ASTM
- MHI (ASC MH10)
- NCPDP
- 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 Internet Resources, click on "Standards Information," and see "American National Standards Maintained Under Continuous Maintenance". This information is also available directly at www.ansi.org/publicreview.

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

# ISO Draft International Standards

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

**Comments**

Comments regarding ISO documents should be sent to Henrietta Scully, at ANSI's New York offices. The final date for offering comments is listed after each draft.

**Ordering Instructions**

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

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

ISO/DIS 19901-3, Petroleum and natural gas industries - Specific requirements for offshore structures - Part 3: Topsides structure - 9/22/2007, $165.00

**NUCLEAR ENERGY (TC 85)**

ISO/DIS 9463, Nuclear energy - Nuclear fuel technology - Determination of plutonium in nitric acid solutions by spectrophotometry - 9/20/2007, $46.00

ISO/DIS 13465, Nuclear energy - Nuclear fuel technology - Determination of neptunium in nitric acid solutions by spectrophotometry - 9/20/2007, $40.00

**PAPER, BOARD AND PULPS (TC 6)**

ISO/DIS 8254-1, Paper and board - Measurement of specular gloss - Part 1: 75 degree gloss with a converging beam, TAPPI method - 9/22/2007, $58.00

**ROAD VEHICLES (TC 22)**

ISO/DIS 11155-2, Road vehicles - Air filters for passenger compartments - Part 2: Test for gaseous filtration - 9/20/2007, $67.00

**SMALL CRAFT (TC 188)**

ISO 15085/DAmd1, Small craft - Man-overboard prevention and recovery - Amendment 1 - 9/22/2007, $29.00

**THERMAL INSULATION (TC 163)**

ISO/DIS 9076-2, Thermal insulation - Mineral-wool loose-fill for horizontal applications in ventilated roof spaces - Part 2: Principle responsibilities of installers - 9/23/2007, $62.00

ISO/DIS 9076-1, Thermal insulation - Mineral-wool loose-fill for horizonal applications in ventilated roof spaces - Part 1: Material specification and test methods - 9/23/2007, $77.00

## ISO/IEC JTC 1 Information Technology

ISO/IEC DIS 10779, Office equipment accessibility guidelines for elderly persons and persons with disabilities - 9/20/2007, $82.00

ISO/IEC DIS 29642, Information technology - Data interchange on 120 mm and 80 mm optical disk using +RW DL format - Capacity: 8,55 Gbytes and 2,66 Gbytes per side (recording speed 2,4x) - 5/8/2007, $175.00

# Newly Published ISO and IEC Standards

Listed here are new and revised standards recently approved and promulgated by ISO - the International Organization for Standardization – and IEC – the International Electrotechnical Commission. Most are available at the ANSI Electronic Standards Store (ESS) at www.ansi.org. All paper copies are available from Global Engineering Documents.

## ISO Standards

**AGRICULTURAL FOOD PRODUCTS (TC 34)**

ISO 11815:2007, Milk - Determination of total milk-clotting activity of bovine rennets, $61.00

**AIR QUALITY (TC 146)**

ISO 20988:2007, Air quality - Guidelines for estimating measurement uncertainty, $160.00

**BANKING AND RELATED FINANCIAL SERVICES (TC 68)**

ISO 13491-1:2007, Banking - Secure cryptographic devices (retail) - Part 1: Concepts, requirements and evaluation methods, $102.00

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

ISO 20776-2:2007, Clinical laboratory testing and in vitro diagnostic test systems - Susceptibility testing of infectious agents and evaluation of performance of antimicrobial susceptibility test devices - Part 2: Evaluation of performance of antimicrobial susceptibility test devices, $54.00

**COPPER, LEAD AND ZINC ORES AND CONCENTRATES (TC 183)**

ISO 12742:2007, Copper, lead, and zinc sulfide concentrates - Determination of transportable moisture limits - Flow-table method, $77.00

**DENTISTRY (TC 106)**

ISO 4823/Amd1:2007, Dental materials - Elastomeric impression materials - Amendment 1, $14.00

ISO 9680:2007, Dentistry - Operating lights, $77.00

**FIRE SAFETY (TC 92)**

ISO 13571:2007, Life-threatening components of fire - Guidelines for the estimation of time available for escape using fire data, $82.00

**FURNITURE (TC 136)**

ISO 21015:2007, Office furniture - Office work chairs - Test methods for the determination of stability, strength and durability, $97.00

**HEALTH INFORMATICS (TC 215)**

ISO 21549-7:2007, Health informatics - Patient healthcard data - Part 7: Medication data, $112.00

**IMPLANTS FOR SURGERY (TC 150)**

ISO 5832-1:2007, Implants for surgery - Metallic materials - Part 1: Wrought stainless steel, $41.00

ISO 5832-9:2007, Implants for surgery - Metallic materials - Part 9: Wrought high nitrogen stainless steel, $41.00

ISO 23317:2007, Implants for surgery - In vitro evaluation for apatite-forming ability of implant materials, $66.00

**PACKAGING (TC 122)**

ISO 16883:2007, Packaging - Transport packages for dangerous goods - Test methods for large packagings, $97.00

**PAPER, BOARD AND PULPS (TC 6)**

ISO 2469:2007, Paper, board and pulps - Measurement of diffuse radiance factor, $82.00

**PERSONAL SAFETY - PROTECTIVE CLOTHING AND EQUIPMENT (TC 94)**

ISO 9185:2007, Protective clothing - Assessment of resistance of materials to molten metal splash, $61.00

**PHOTOGRAPHY (TC 42)**

ISO 18916:2007, Imaging materials - Processed imaging materials - Photographic activity test for enclosure materials, $66.00

**PLAIN BEARINGS (TC 123)**

ISO 6281:2007, Plain bearings - Testing under conditions of hydrodynamic and mixed lubrication in test rigs, $71.00

**PLASTICS (TC 61)**

ISO 7214:2007, Cellular plastics - Polyethylene - Methods of test, $61.00

ISO 11542-2/Cor1:2007, Plastics - Ultra-high-molecular-weight polyethylene (PE-UHMW) moulding and extrusion materials - Part 2: Preparation of test specimens and determination of properties - Corrigendum, FREE

ISO 15103-2:2007, Plastics - Poly(phenylene ether) (PPE) moulding and extrusion materials - Part 2: Preparation of test specimens and determination of properties, $41.00

**PULLEYS AND BELTS (INCLUDING VEEBELTS) (TC 41)**

ISO 252:2007, Conveyor belts - Adhesion between constitutive elements - Test methods, $48.00

ISO 283:2007, Textile conveyor belts - Full thickness tensile strength, elongation at break and elongation at the reference load - Test method, $54.00

ISO 583:2007, Conveyor belts with a textile carcass - Total belt thickness and thickness of constitutive elements - Test methods, $54.00

ISO 703:2007, Conveyor belts - Transverse flexibility (troughability) - Test method, $41.00

**ROAD VEHICLES (TC 22)**

ISO 11898-5:2007, Road vehicles - Controller area network (CAN) - Part 5: High-speed medium access unit with low-power mode, $82.00

ISO 21994:2007, Passenger cars - Stopping distance at straight-line braking with ABS - Open-loop test method, $92.00

**ROLLING BEARINGS (TC 4)**

ISO 1224-1:2007, Rolling bearings - Instrument precision bearings - Part 1: Boundary dimensions, tolerances and characteristics of metric series bearings, $61.00

ISO 1224-2:2007, Rolling bearings - Instrument precision bearings - Part 2: Boundary dimensions, tolerances and characteristics of inch series bearings, $71.00

**RUBBER AND RUBBER PRODUCTS (TC 45)**

ISO 48:2007, Rubber, vulcanized or thermoplastic - Determination of hardness (hardness between 10 IRHD and 100 IRHD), $82.00

ISO 2007:2007, Rubber, unvulcanized - Determination of plasticity - Rapid-plastimeter method, $35.00

ISO 6943:2007, Rubber, vulcanized - Determination of tension fatigue, $71.00

ISO 8330:2007, Rubber and plastics hoses and hose assemblies - Vocabulary, $112.00

**WATER QUALITY (TC 147)**

ISO 9308-1/Cor1:2007, Water quality - Detection and enumeration of coliform organisms, thermotolerant coliform organisms and presumptive Escherichia coli - Part 1: Membrane filtration method - Corrigendum, FREE

ISO 19493:2007, Water quality - Guidance on marine biological surveys of hard-substrate communities, $87.00

**WELDING AND ALLIED PROCESSES (TC 44)**

ISO 15614-7:2007, Specification and qualification of welding procedures for metallic materials - Welding procedure test - Part 7: Overlay welding, $87.00

## ISO Technical Reports

**COMPRESSORS, PNEUMATIC TOOLS AND PNEUMATIC MACHINES (TC 118)**

ISO/TR 27609:2007, Vibration in hand-held tools - Vibration measurement methods for grinders - Evaluation of round-robin test, $97.00

## ISO Technical Specifications

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

ISO/TS 20452:2007, Requirements and Logical Data Model for a Physical Storage Format (PSF) and an Application Program Interface (API) and Logical Data Organization for PSF used in Intelligent Transport Systems (ITS) Database Technology, $131.00

## ISO/IEC JTC 1, Information Technology

ISO/IEC 15457-2:2007, Identification cards - Thin flexible cards - Part 2: Magnetic recording technique, $82.00

ISO/IEC 15459-5:2007, Information technology - Unique identifiers - Part 5: Unique identifier for returnable transport items (RTIs), $41.00

ISO/IEC 15459-6:2007, Information technology - Unique identifiers - Part 6: Unique identifier for product groupings, $48.00

ISO/IEC 16390:2007, Information technology - Automatic identification and data capture techniques - Interleaved 2 of 5 bar code symbology specification, $77.00

ISO/IEC 19794-7:2007, Information technology - Biometric data interchange formats - Part 7: Signature/sign time series data, $87.00

ISO/IEC 21000-18:2007, Information technology - Multimedia framework (MPEG-21) - Part 18: Digital Item Streaming, $150.00

ISO/IEC 25434:2007, Information technology - Data interchange on 120 mm and 80 mm optical disk using +R DL format - Capacity: 8,55 Gbytes and 2,66 Gbytes per side (recording speed up to 8x), $190.00

## ISO/IEC JTC 1 Technical Reports

ISO/IEC TR 19766:2007, Information technology - Guidelines for the design of icons and symbols accessible to all users, including the elderly and persons with disabilities, $82.00

# IEC Standards

**AUDIO, VIDEO AND MULTIMEDIA SYSTEMS AND EQUIPMENT (TC 100)**

IEC 62447-1 Ed. 1.0 en:2007, Helical-scan compressed digital video cassette system using 6,35 mm magnetic tape - Format D-12 - Part 1: VTR specifications, $201.00

IEC 62447-2 Ed. 1.0 en:2007, Helical-scan compressed digital video cassette system using 6,35 mm magnetic tape - Format D-12 - Part 2: Compression format, $184.00

IEC 62447-3 Ed. 1.0 en:2007, Helical-scan compressed digital video cassette system using 6,35 mm magnetic tape - Format D-12 - Part 3: Data stream format, $76.00

IEC 62455 Ed. 1.0 en:2007, Internet protocol (IP) and transport stream (TS) based service access, $266.00

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

IEC/PAS 61169-38 Ed. 1.0 en:2007, Radio-frequency connectors - Part 38: Sectional specification - Radio-frequency coaxial connectors model, slide-in (rack and panel applications) - Characteristic impedance 50 Ohms (type TMA) - 50 Ohms applications, $101.00

IEC 61156-1 Ed. 3.0 en:2007, Multicore and symmetrical pair/quad cables for digital communications - Part 1: Generic specification, $139.00

IEC 61156-5-1 Ed. 2.0 en:2007, Multicore and symmetrical pair/quad cables for digital communications - Part 5-1: Symmetrical pair/quad cables with transmission characteristics up to 1 000 MHz - Horizontal floor wiring - Blank detail specification, $37.00

IEC 61156-6 Ed. 2.0 en:2007, Multicore and symmetrical pair/quad cables for digital communications - Part 6: Symmetrical pair/quad cables with transmission characteristics up to 1 000 MHz - Work area wiring - Sectional specification, $76.00

IEC 61156-6-1 Ed. 2.0 en:2007, Multicore and symmetrical pair/quad cables for digital communications - Part 6-1: Symmetrical pair/quad cables with transmission characteristics up to 1 000 MHz - Working area wiring - Blank detail specification, $42.00

**CAPACITORS AND RESISTORS FOR ELECTRONIC EQUIPMENT (TC 40)**

IEC 60286-3 Ed. 4.0 en:2007, Packaging of components for automatic handling - Part 3: Packaging of surface mount components on continuous tapes, $101.00

**DEPENDABILITY (TC 56)**

IEC 62402 Ed. 1.0 b:2007, Obsolescence management - Application guide, $120.00

**ELECTRICAL EQUIPMENT IN MEDICAL PRACTICE (TC 62)**

IEC 62220-1-2 Ed. 1.0 b:2007, Medical electrical equipment - Characteristics of digital X-ray imaging devices - Part 1-2: Determination of the detective quantum efficiency - Detectors used in mammography, $101.00

**ELECTRICAL INSTALLATIONS OF SHIPS AND OF MOBILE AND FIXED OFFSHORE UNITS (TC 18)**

IEC 60092-503 Ed. 2.0 en:2007, Electrical installations in ships - Part 503: Special features - AC supply systems with voltages in the range of above 1 kV up to and including 15 kV, $76.00

IEC 61892-4 Ed. 1.0 en:2007, Mobile and fixed offshore units - Electrical installations - Part 4: Cables, $139.00

**FIBRE OPTICS (TC 86)**

IEC 60793-1-48 Ed. 2.0 b:2007, Optical fibres - Part 1-48: Measurement methods and test procedures - Polarization mode dispersion, $139.00

IEC 60793-2-10 Ed. 3.0 b:2007, Optical fibres - Part 2-10: Product specifications - Sectional specification for category A1 multimode fibres, $110.00

IEC 61300-2-49 Ed. 1.0 b:2007, Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 2-49: Tests - Connector installation test, $37.00

IEC 61300-2-50 Ed. 1.0 b:2007, Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 2-50: Tests - Fibre optic connector proof test with static load - Singlemode and multimode, $32.00

IEC 61300-2-51 Ed. 1.0 b:2007, Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 2-51: Tests - Fibre optic connector test for transmission with applied tensile load - Singlemode and multimode, $32.00

**INDUSTRIAL-PROCESS MEASUREMENT AND CONTROL (TC 65)**

IEC 62264-3 Ed. 1.0 b:2007, Enterprise-control system integration - Part 3: Activity models of manufacturing operations management, $218.00

**INSULATING MATERIALS (TC 15)**

IEC 60454-3-4 Ed. 3.0 en:2007, Pressure-sensitive adhesive tapes for electrical purposes - Part 3: Specifications for individual materials - Sheet 4: Cellulose paper, creped and non-creped, with rubber thermosetting adhesive, $32.00

IEC 61628-2 Amd.1 Ed. 1.0 b:2007, Corrugated pressboard and presspaper for electrical purposes - Part 2: Methods of test - Amendment 1 - Corrugated pressboard and presspaper for electrical purposes - Part 2: Methods of test, $18.00

**LAMPS AND RELATED EQUIPMENT (TC 34)**

IEC 60598-2-8 Amd.2 Ed. 2.0 b:2007, Luminaires - Part 2-8: Particular requirements - Handlamps - Amendment 2 - Luminaires - Part 2-8: Particular requirements - Handlamps, $21.00

IEC 60927 Ed. 3.0 b:2007, Auxiliaries for lamps - Starting devices (other than glow starters) - Performance requirements, $110.00

**MAGNETIC ALLOYS AND STEELS (TC 68)**

IEC 60404-8-6 Ed. 2.1 b:2007, Magnetic materials - Part 8-6: Specifications for individual materials - Soft magnetic metallic materials, $83.00

**NUCLEAR INSTRUMENTATION (TC 45)**

IEC 60412 Ed. 2.0 b:2007, Nuclear instrumentation - Scintillation detectors - Nomenclature (identification) - Standard dimensions of scintillators, $42.00

**SWITCHGEAR AND CONTROLGEAR (TC 17)**

IEC 60947-1 Ed. 5.0 b:2007, Low-voltage switchgear and controlgear - Part 1: General rules, $242.00

**TERMINOLOGY (TC 1)**

IEC/PAS 60050-732 Ed. 1.0 b:2007, International Electrotechnical Vocabulary - Part 732: Computer network technology, $157.00

**WINDING WIRES (TC 55)**

IEC 60317-28 Amd.2 Ed. 1.0 b:2007, Amendement 2 - Specifications for particular types of winding wires - Part 28: Polyesterimide enamelled rectangular copper wire, class 180, $18.00

## IEC Technical Specifications

**AUDIO, VIDEO AND MULTIMEDIA SYSTEMS AND EQUIPMENT (TC 100)**

IEC/TS 62312-2 Ed. 1.0 en:2007, Guideline for synchronization of audio and video - Part 2: Methods for synchronization of audio and video systems, $60.00

# Proposed Foreign Government Regulations

## Call for Comment

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

The National Center for Standards and Certification Information (NCSCI) at the National Institute of Standards and Technology (NIST), distributes these proposed foreign technical regulations to U.S. stakeholders via an online service, Notify U.S. Notify U.S. is an e-mail and Web service that allows interested U.S. parties to register, obtain notifications, and read full texts of regulations from countries and for industry sectors of interest to them. To register for Notify U.S., please go to Internet URL: http://www.nist.gov/notifyus/ and click on "Subscribe".

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

# Information Concerning

## American National Standards

### PINS Correction

### Contact Information for NEMA Standard

In the June 15, 2007 issue of Standards Action, the PINS listing for BSR/NEMA WC 53-200x/ICEA T-27-582-200x showed the incorrect contact information. Here is the correct mailing address and E-mail address to obtain a copy of that standard for review:

**NEMA (ASC C8) (National Electrical Manufacturers Association**

Office: 1300 North 17th Street, Suite 1752
Rosslyn, VA 22209

*Contact: Eric Schweitzer*

Fax: (703) 841-3376

E-mail: Eric.Schweitzer@NEMA.org

## Proposed Tentative Interim Amendment (TIA)

### Comments Sought for NFPA 58

### Comment Deadline: July 17, 2007

The following proposed Tentative Interim Amendment is available for public review and comment.

NFPA 58-Proposed 2008
Liquefied Petroleum Gas Code
Reference: Table 5.7.7.1
TIA Log No.: 882
Comment Closing Date: July 17, 2007

Copies may be obtained at http://www.nfpa.org/itemDetail.asp?categoryID=844&itemID=20972, or requested from Codes and Standards Administration, NFPA, One Batterymarch Park, Quincy, MA 02169, or by calling 617-984-7249.

## ANSI Accredited Standards Developers

### Administrative Reaccreditations

### Business and Institutional Furniture Manufacturers Association (BIFMA)

The Business and Institutional Furniture Manufacturers Association (BIFMA) has been administratively reaccredited at the direction of the Executive Standards Council, under operating procedures revised to bring the document into compliance with the 2007 version of the ANSI Essential Requirements and recent audit recommendations, effective June 15, 2007. For additional information, please contact: Mr. Richard Driscoll, Manager of Administration, Business and Institutional Furniture Manufacturers Association, 2680 Horizon Drive, Suite 1-A, Grand Rapids, MI 49546-7500; PHONE: (616) 285-3963. FAX: (616) 285-3765; E-mail: rdriscol@bifma.org.

### North American Laminate Flooring Association (NALFA)

The North American Laminate Flooring Association (NALFA) has been administratively reaccredited at the direction of the Executive Standards Council, under operating procedures revised to bring the document into compliance with the 2007 version of the ANSI Essential Requirements, effective June 14, 2007. For additional information, please contact: Mr. David Goch, Esq., North American Laminate Flooring Association, 1747 Pennsylvania Avenue NW, Suite 1000, Washington, DC 20006; PHONE: (202) 785-9500; FAX: (202) 835-0243; E-mail: dgoch@wc-b.com.

### Portable Sanitation Association International (PSAI)

The Portable Sanitation Association International (PSAI) has been administratively reaccredited at the direction of the Executive Standards Council, under operating procedures revised to bring the document into compliance with the 2007 version of the ANSI Essential Requirements, effective June 15, 2007. For additional information, please contact: Ms. Millicent Carroll, Industry/Regulatory Standards and Marketing, Portable Sanitation Association International, 7800 Metro Parkway, Suite 104, Bloomington, MN 55425; PHONE: (952) 854-8300; FAX: (952) 854-7560; E-mail: portsan@aol.com.

### Approval of Reaccreditation

### ASME International

ANSI's Executive Standards Council has approved the reaccreditation of ASME International under revised operating procedures for documenting consensus on proposed American National Standards, effective June 19, 2007. For additional information, please contact: Mr. William Berger, Managing Director, Technical Codes & Standards, ASME International, Three Park Avenue, 20th Floor, New York, NY 10016; PHONE: (212) 591-8520; FAX: (212) 591-8501; E-mail: bergerw@asme.org.

## ANSI Accreditation Program for Third Party Product Certification Agencies

### Initial Accreditation

### SIEMIC, Inc.

### Comment Deadline: July 23, 2007

SIEMIC, Inc
2206 Ringwood Avenue
San Jose, CA 95131

On June 15, 2007, the ANSI Accreditation Committee (ACC) voted to approve initial accreditation for SIEMIC for the following scope:

SCOPES:

FCC - Unlicensed Radio Frequency Devices (A1, A2, A3, A4)

FCC - Licensed Radio Frequency Devices (B1, B2, B3)

Please send your comments by July 23, 2007 to Reinaldo Balbino Figueiredo, Program Director, Product Certifier Accreditation, American National Standards Institute, 1819 L Street, NW, 6th Floor, Washington, DC 20036, FAX: (202) 293 9287 or E-mail: rfigueir@ansi.org.

# International Organization for Standardization (ISO)

### Review of ISO Guide

### ISO/IEC DGuide 76 - Development of service standards - Recommendations for addressing consumer issues

### Comment Deadline: June 30, 2007

The following is the scope of Draft ISO/IEC Guide 76:

> This Guide provides general guidance on the issues to be considered in standards for services. From this guidance, detailed standards may be prepared for any service. It offers a checklist (Clause 9) which may be used by consumer representatives and others participating in the process of standards development. Use of the checklist enables full consideration to be given to all matters of consumer interest, including the needs of children, older persons, persons with disabilities and those from different ethnic and cultural heritages.
>
> This Guide is relevant to the full range of services, whether or not a formal contract is entered into or purchase price paid, but also has relevance for public or charitable services in which there is a consumer, user or participant but not necessarily a purchase, for example, education, health and care provision.

A copy of Guide 76 can be obtained for review by contacting Henrietta Scully of ANSI via e-mail, hscully@ansi.org. Comments must be sent to Steven Cornish of ANSI (scornish@ansi.org) by June 30, 2007.

### New Field of Technical Activity

### Energy Management

### Comment Deadline: July 20, 2007

The US Department of Energy has submitted to ANSI the following two draft documents:

> ISO Proposal for a New Field of Technical Activity on Energy Management;
>
> Justification Study for a new work item proposal for a Energy Management Standard and Guidance Document

The proposed scope of the new field of technical activity is:

> Standardization in the field of energy management, including: energy supply, procurement practices for energy using equipment and systems, energy use, and any use-related disposal issues. The standard will also address measurement of current energy usage, and implementation of a measurement system to document, report, and validate continuous improvement in the area of energy management.

There is an existing American National Standard on energy management (Management System for Energy - MSE 2000:2005) which is proposed as a foundation for this ISO effort.

A copy of the proposal and the Justification Study can be obtained for review by contacting Henrietta Scully of ANSI via e-mail at hscully@ansi.org. Comments must be e-mailed to Steven Cornish of ANSI (scornish@ansi.org) by close of business on Friday, July 20, 2007.

# Meeting Notices

### AMT – The Association for Manufacturing Technology

### B11.1 Subcommittee – Mechanical Power Presses

The B11.1 Subcommittee, sponsored by the Secretariat (AMT), will hold its next meeting Tuesday, Wednesday and Thursday, August 7, 8 & 9 at the Stratosphere in Las Vegas, Nevada. The B11 Committee is an ANSI-Accredited Standards Committee on machine tool safety, and the B11.1 Subcommittee deals with the safety requirements of mechanical power presses.

The purpose of this meeting is to continue revision work on the 2001 American National Standard. This meeting is open to anyone with an interest in machine tool safety, particularly as it relates to presses, and who wishes to participate in standards development. Please contact Cindy Haas at AMT. (703) 827-5266. or e-mail: clhaas@amtonline.org for details on meeting location and reservations information.

### ARI Flow & Contaminant Control Engineering Committee

The ARI Flow & Contaminant Control Engineering Committee will hold a web/telephone meeting Tuesday, 10 July 2007, starting at 9:30 a.m. EDT (8:30 am CDT)

The meeting will address issues relating to revision of ARI Standard 770, Performance Rating of Refrigerant Pressure Regulating Valves

Agenda

1. Call to Order
2. ARI Antitrust Guidelines
3. Minutes of 12 June 2007 Meeting
4. Standards for Action - revision of ARI Standard 770
5. Other Business
6. Next Meeting
7. Adjourn

Interested parties should contact Steve Szymurski at ARI for login/dial in instructions. PHONE: (703) 524-8800, E-mail: szymurski@ari.org.

### ANSI-Accredited U.S. TAG to ISO/TC 229 Nanotechnologies

The 12th meeting of the ANSI-Accredited U.S. TAG to ISO/TC 229 Nanotechnologies will take place August 14-15, 2007 at a location to be determined in the Washington DC area. For additional information or to join the U.S. TAG, please contact Heather Benko (hbenko@ansi.org) at ANSI.

BSR/UL 80-200x

June 22, 2007

***SUMMARY OF TOPICS***

***The following topic is being recirculated:***

***1. Addition of the Requirements for Tank Accessories (UL 80 - PR2839), Revision of the Requirements for the Physical Abuse Tests (UL 80 - PR2868), Revision of the Requirements for the Hydrostatic Pressure Test (UL 80 - PR2869), Revision of the Requirements for Tank Top and Bottom Openings (UL 80 - PR2861), Revision of the Requirements for Markings and Instructions (UL 80 - PR4458), and Addition of the Requirements for Double Bottom Tanks (UL 80 - PR4482)***

***COMMENTS DUE: July 23, 2007***

For your convenience in review, proposed additions to the previously proposed requirements are shown underlined and proposed deletions are shown ~~lined-out~~.

**1. Addition of the Requirements for Tank Accessories (UL 80 - PR2839), Revision of the Requirements for the Physical Abuse Tests (UL 80 - PR2868), Revision of the Requirements for the Hydrostatic Pressure Test (UL 80 - PR2869), Revision of the Requirements for Tank Top and Bottom Openings (UL 80 - PR2861), Revision of the Requirements for Markings and Instructions (UL 80 - PR4458), and Addition of the Requirements for Double Bottom Tanks (UL 80 - PR4482)**

Responses to comments have been posted within the Subject 80 Proposal Review Work Area dated May 25, 2007.

Revised Proposals contained in 15C.1 and 16A.1 were submitted by Roland Riegel, Underwriters Laboratories Inc.

Revised Proposals contained in 18A.1.2 and 20.5 were submitted by STP 80 Task Group 3 - Markings and Instructions

Revised Proposal contained in 3.1.8.1 was submitted by STP 80 Task Group 1 - Double Bottom Tanks

**PROPOSAL**

15C.1 The tank with intended supports that exceed dimensional limits of the exception shall be subjected to pushing and tilting without tip over after 1 minute. These tests shall be conducted in the most unfavorable condition with respect to tank and support geometry.

*Exception: The Stability Test shall exclude tank and support dimensional combinations that have a ratio of H to B equal to or less than 3 to 1, where H is based on tank and support height and B is based on the length and width support dimensions.*

BSR/UL 80-200x

16A.1 After completing all applicable testing per Section 15A, the same representative primary and secondary tank or double bottom tank sample(s) shall be subjected to a hydrostatic pressure of 25 psig (172 kPa) for 1 minute without leakage, rupture, or tip over. Dike tanks shall be evaluated per Section 15F.

*Exception: If the tank is marked per 18A.1.2 and instructions are provided per 20.4 for reduced field test pressures, the test pressures in 16A.1 shall be reduced to 15 psig (103 kPa).*

18A.1.2 Each tank shall be marked with the following critical assembly, installation, inspection, and cautionary information on or near the nameplate:

a) "IMPORTANT - Assemble and Install per NFPA 31 and Manufacturer Instructions" and a "CAUTION" header followed by the following critical points:

1) "This Tank Is Intended for Stationary Use Only"

2) "Tilt Tank ¼ inch/foot (20.8 mm/meter) Towards Bottom Opening"

3) "Do Not Reduce Vent Capacity Below 1¼ inch (35 mm) Pipe Size"

4) "Inspect Tank Periodically per Instructions"

5) "Remove Accumulated Water From Tank Bottom"

6) "Do Not Transfer Oil from Old Tank Into This Tank"

7) "WARNING - Do Not Leak Test At More Than 3.0 psig" In accordance with the 15 psig exception in 16A.1.

b) "CONSULT LOCAL AUTHORITY BEFORE INSTALLING TANK"

20.5 Recommended Installation Practices – The instructions shall also reference recommended installation Codes, such as the Standard for Installation of Oil Burning Equipment, NFPA 31, and recommended inspection and maintenance practices such as National Oilheat Research Alliance (NORA)'s Heating Oil Storage Tanks, Guide for Quality Installation and Maintenance, or other industry equivalents.

3.1.8.1 DOUBLE BOTTOM TANK – A primary tank with an additional bottom capable of being pressurized and has means for venting and monitoring for leaks in the interstitial space, but does not provide complete secondary containment.

BSR/UL 867-200x

**1. Clarification for Ozone Testing of Electrostatic Air Cleaners and Ionizers**

**PROPOSAL**

**28A Electronic Circuits**

28A.1 Ozone monitoring circuitry shall not be user-defeatable.

**37 Ozone Test**

37.X The test described in 37.1 - 37.7.3 shall be conducted on a total of two samples of each air cleaning product.

*Exception: Only one sample shall be subjected to this test when maximum ozone concentration of the first sample tested measures less than 0.030 parts per million.*

37.1 A portable air cleaning product for household use shall not produce a concentration of ozone exceeding 0.050 parts per million by volume when tested as described in 37.2 - ~~37.7~~ 37.7.3. A transitory concentration in excess of 0.050 ppm but less than 0.100 ppm is acceptable; however, the average of any five consecutive measurements taken 60 seconds apart shall be less than 0.050 parts per million.

37.2 The test is to be conducted in a ~~room~~ chamber having a volume of 950 - 1100 cubic feet (26.9 - 31.1 $m^3$) with a minimum side dimension of 8 feet (2.4 m) and a maximum height dimension of 10 feet (3.0 m) without openings. The test ~~room~~ chamber walls, ~~and~~ ceiling, and floor are to be ~~covered with a sheet of polyethylene or aluminum. The floor is to be of a nonporous material such as vinyl tile or aluminum.~~ surface treated (polished) stainless steel or other nonporous and non-reactive material. The suitability of chamber materials shall be validated by the half-life procedure of 37.2.1 and background level of 37.3.2.

37.2.1 Performance of the test chamber shall be validated prior to each test and after any modification or cleaning through verification of the ozone half-life at the air exchange rate used for testing (see 37.3.1). The ozone half-life is determined using an initial steady state concentration of 0.100 to 0.200 ppm ozone. The measured ozone half-life for the chamber shall be 16 ± 1 minutes. For the purpose of this measurement, steady state is defined as a fluctuation not greater than ± 10 percent or 0.0020 ppm, whichever is greater, during a fifteen minute period.

37.2.2 Prior to testing, the unit shall be subjected to a 72 hour run-in period. During the run-in period the unit shall be operated at maximum ozone output, speed, etc.

37.3 During the test, the test ~~room~~ chamber is to be maintained at a temperature of 25 ±2°C (77 ±4°F) and a relative humidity of 50 ±5 percent. Prior to the start of ~~and immediately after this~~ each test, the ozone background level is to be measured as specified in 37.3.2 with the product off. The background level ~~average~~ shall be ~~calculated and~~ subtracted from the maximum measurement during the test.

37.3.1 The following criteria achieve the desired conditions of 37.3, including a stable background level.

a) The test chamber shall be sufficiently airtight to avoid uncontrolled air exchange. The chamber is considered sufficiently airtight if at least one of the following requirements is fulfilled:

1) the air leakage is less than 0.5 percent of the chamber volume per minute at an overpressure of 1000 Pa;

2) the air leakage is less than 5 percent of the supply airflow rate.

b) The test chamber shall possess an air exchange rate between 0 and 0.35, where the air exchange rate is defined as the ratio of the volume of clean air brought into the chamber per hour to the unloaded chamber volume.

c) The test chamber shall have proper mixing verified via the mixing procedure of the Standard Practice for Full-Scale Chamber Determination of Volatile Organic Emissions from Indoor Materials/Products, ASTM 6670, and shall not create local airflow across the surface of the unit under test exceeding 0.1 m/s.

d) The test chamber supply air system shall be equipped with sufficient carbon and HEPA media to remove particles, reactive VOCs, and ozone.

37.3.2 With respect to determining background level, the following measurement criteria shall be applied:

a) The ozone background measurement shall not exceed 0.005 ppm at steady state. Measurements above this value may interfere with emissions determinations.

b) Background measurements within the chamber shall be taken immediately prior to the inception of testing.

For the purpose of this measurement, steady state is defined as a fluctuation not greater than ± 10 percent or 0.0020 ppm, whichever is greater, during a fifteen minute period.

37.4 The product is to be located in the center of the test ~~room~~ chamber floor and ~~about~~

a) 30 inches (762 mm) above the floor for ~~a~~ table-mounted products.

b) attached to the ceiling or other horizontal non-reactive surface at a minimum height of 30 inches for ceiling-mounted products.

c) attached to a non-reactive vertical surface at a minimum height of 30 inches for wall-mounted products.

37.5 ~~The~~ A single ozone monitor sampling tube is to be positioned with the sample tube opening located 2 inches (50 mm) from the air outlet of the product and is to point directly into the air stream. Monitoring shall occur where ozone emissions are highest as determined by the Peak Ozone Emission Location Determination test of Section 37A.

37.6 The emission of ozone is to be monitored for 24 hours to determine the concentration.

37.6.1 Ozone analysis equipment shall meet the following criteria:

a) Ranges of 0.02, 0.04, 0.1, 0.2, and 0.4 $mg/m^3$ on the full scale (or have auto ranging capability);

b) The capability to detect 4 $\mu g/m^3$ or lower concentration;

c) A precision of ± 2 percent from the mean value in the 0 $mg/m^3$ to 0.2 $mg/m^3$ range (i.e. 2 $\mu g/m^3$ or 1 percent on the full scale);

d) A sampling rate of not less often than once every 60 seconds.

e) A sampling line of minimum length, not to exceed 13 feet (4 m), made of a flexible material that is inert, such as PTFE.

To prevent impact on the test, the ozone analysis equipment shall be placed outside of the chamber.

37.7 If the filter cell or other high voltage component can be energized with any of its fans not functioning or with ~~particle~~ filters removed, the test described in 37.1 - ~~37.6~~ 37.6.1 is to be repeated with the various components not operating or with ~~particle~~ filters removed.

37.7.1 If the appliance is provided with multiple speeds/output levels of operation, the test described in 37.1 - 37.6.1 is to be repeated on each speed/output level. For those appliances with continuous or near-continuous dial settings, tests shall be conducted at the minimum, middle, and maximum settings.

37.7.2 If ozone-monitoring circuitry is provided as part of the appliance, the test described in 37.1 - 37.6.1 shall be repeated with the circuitry bypassed unless its reliability has been demonstrated as described in 37.7.3. Air cleaners must comply with the requirements of 37.1 in both operational states (with and without circuitry).

37.7.3 For the sake of the test in 37.7.2, reliability is defined as compliance with the applicable requirements of the Standards for Tests for Safety-Related Controls Employing Solid-State Devices, UL 991; Software in Programmable Components, UL 1998; or Automatic Electrical Controls for Household and Similar Use, Part 1: General Requirements, UL 60730-1A, whichever is most suitable.

**37A Peak Ozone Emission Location Determination**

37A.1 The peak ozone location for monitoring shall be determined by pre-testing the product in an open space with a minimum volume of 4000 feet$^3$ (113.3 m$^3$) and a minimum dimension in any direction of 10 feet (3.0 m). The air cleaner shall be placed in the center of the test space. Tabletop models shall be tested in the center of a square table with a surface that extends 1 foot (0.30 m) beyond the perimeter of the product and is located 30 inches (762 mm) above the floor. Lab ventilation should be sufficient to prevent a change in background lab ozone levels during conduct of the pre-test. Lab ventilation shall not cause turbulence around the air cleaner's discharge air stream or otherwise alter its performance.

37A.2 Using an anemometer or other appropriate means, the periphery of the air stream in a plane parallel to and 2 inches (50.8 mm) from the surface of the air cleaner discharge grille shall be established. If the air stream boundary is smaller than the discharge grille in either dimension, the corresponding discharge grille dimension shall be used to establish the air stream's boundary. The area of this bounded plane shall be divided using a 2 inch x 2 inch (50.8 mm x 50.8 mm) grid pattern for purposes of locating the ozone analyzer sampling probe. In no case shall there be fewer than a total of 10 ozone sampling locations.

37A.3 The ozone emitted from the air cleaner shall be measured in the open space at each grid intersection point. The air cleaner shall be operated on both the highest and lowest fan speed if so equipped. If the air cleaner is equipped with special ionizers that can be activated independently, they shall be "on" for purposes of the test. The sampling probe shall be positioned at a grid intersection point and allowed sufficient time for stabilization of ozone levels before recording the peak ozone level at each grid intersection point. The grid location and operating condition that produced the highest ozone reading in the air stream shall be identified for use during the Ozone Test, Section 37.