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## American National Standards

### Call for comment on proposals listed

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

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

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

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

★ Standard for consumer products

## Comment Deadline: January 8, 2006

### OEOSC (ASC OP) (Optics and Electro-Optics Standards Council)

#### New Standards

BSR/OEOSC OP1.002-200x, Optics and Electro-Optical Instruments - Optical Elements and Assemblies - Appearance Imperfections (new standard)

This standard establishes uniform practices for stating, interpreting, and inspecting appearance imperfections for transmissive and reflective optical elements and assemblies.

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

Send comments (with copy to BSR) to: Gene Kohlenberg, OEOSC (ASC OP); gene.Kohlenberg@toast.net

### UL (Underwriters Laboratories, Inc.)

#### Revisions

BSR/UL 458-200x, Standard for Power Converters/Inverters and Power Converter/Inverter Systems for Land Vehicles and Marine Crafts (Proposals dated 12-9-05) (revision of ANSI/UL 458-2004)

Covers the:

- (1) Addition of the definition for "unit" and replacement of the terms converter, inverter, converter system, or inverter system as appropriate throughout the Standard;
- (2) Revision of requirements to require a distribution panelboard when two to five circuits are provided; and
- (3) Deletion of the proposed 20.1.3 to protect protective devices, such as circuit breakers, against shorting and physical damage by a cover or equivalent means.

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

Send comments (with copy to BSR) to: Megan VanHeirseesele, UL-IL; Megan.M.VanHeirseesele@us.ul.com

## Comment Deadline: January 23, 2006

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

#### Revisions

BSR B11.21-200x, Machine Tools - Safety Requirements for Machine Tools Using Lasers for Processing Materials (revision of ANSI B11.21-1997)

This standard applies to machine tools using laser radiation to process materials. It describes the hazards generated by such machines and states the protective measures to be incorporated into such machines. The standard also contains the description of information required to be provided by suppliers and users of such equipment.

Single copy price: Free

Obtain an electronic copy from: dfelinski@amtonline.org

Order from: David Felinski, AMT (ASC B11); dfelinski@amtonline.org

Send comments (with copy to BSR) to: Same

### ANS (American Nuclear Society)

#### Reaffirmations

BSR/ANS 57.5-1996 (R200x), Light Water Reactors Fuel Assembly Mechanical Design and Evaluation (reaffirmation of ANSI/ANS 57.5-1996)

This standard sets forth a series of design conditions and functional requirements for the design of fuel assemblies for light water cooled commercial power reactors. It includes specific requirements for design, as well as design criteria to ensure adequate fuel assembly performance. The standard establishes a procedure for performing an evaluation of the mechanical design of fuel assemblies.

Single copy price: \$55.00

Obtain an electronic copy from: pschroeder@ans.org

Order from: Pat Schroeder, ANS; pschroeder@ans.org

Send comments (with copy to BSR) to: Same

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

#### Reaffirmations

BSR S12.7-1986 (R200x), Measurements of Impulse Noise (reaffirmation of ANSI S12.7-1986 (R1998))

Describes methods of measurement of impulse noise and presentation of data. Applies to all kinds of impulse noise, whether discrete event sources or multiple event sources but not to sounds from sources that have specific measurement standards based on the general methods for measurement of quasisteady noise. Data that may be reported include: characteristics of the time variation of the sound pressure (with or without specific frequency weighting) and sound exposure level.

Single copy price: \$90.00

Obtain an electronic copy from: sblaeser@aip.org

Order from: Susan Blaeser, ASA (ASC S1); sblaeser@aip.org

Send comments (with copy to BSR) to: Same

### ASTM (ASTM International)

The URL to search for scopes of ASTM standards is:

<http://www.astm.org/dsearch.htm>

For reaffirmations and withdrawals, order from: Customer Service, ANSI  
For new standards and revisions, order from: Corice Leonard, ASTM ; cleonard@astm.org

For all ASTM standards, send comments (with copy to BSR) to:  
Corice Leonard, ASTM ; cleonard@astm.org

#### Revisions

BSR/ASTM E1205-200x, Practice for Use of a Ceric-Cerous Sulfate Dosimetry System (revision of ANSI/ASTM E1205-2001)

Single copy price: \$46.00

BSR/ASTM E1538-200x, Practice for Use of the Ethanol-Chlorobenzene Dosimetry System (revision of ANSI/ASTM E1538-1999)

Single copy price: \$39.00

BSR/ASTM E1818-200x, Practice for Dosimetry in an Electron Beam Facility for Radiation Processing at Energies Between 80 and 300 Kev (revision of ANSI/ASTM E1818-2002)

Single copy price: \$39.00

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

### **Revisions**

BSR/BIFMA X5.4-200x, Lounge Seating - Tests (revision of ANSI/BIFMA X5.4-1997)

The standard describes the means of evaluating lounge seating, independent of construction materials, manufacturing processes, mechanical designs or aesthetic designs. The standard defines specific tests, the laboratory equipment that may be used, the conditions of test and the minimum acceptance levels to be used in evaluating lounge seating.

Single copy price: Free

Obtain an electronic copy from: [rdriscol@bifma.org](mailto:rdriscol@bifma.org)

Order from: Richard Driscoll, BIFMA International; [rdriscol@bifma.org](mailto:rdriscol@bifma.org)

Send comments (with copy to BSR) to: Same

## **NCPDP (National Council for Prescription Drug Programs)**

### **New Standards**

BSR/NCPDP Post Adj V1.0-200x, Post Adjudication Standard Version 1.0 (new standard)

Client Groups, Pharmacy Benefit Managers (PBM's), Fiscal Agents, Vendors, and Administrative Oversight Organizations need the ability to share post-adjudicated pharmacy claim data. The data is used to support

- (1) Auditing of services;
- (2) Retrospective DUR review;
- (3) Statistical reporting;
- (4) Evaluate health care;
- (5) Evaluate contractor performance;
- (6) Develop and evaluate capitation rates;
- (7) Pay reinsurance (stop loss) to contractors; and
- (8) Develop fee for service payment rates.

Single copy price: NCPDP membership includes a copy of all standards (\$650 per year).

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

Order from: Kittye Krempin, NCPDP; [kkrempin@ncpdp.org](mailto:kkrempin@ncpdp.org)

Send comments (with copy to BSR) to: Same

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

### **Revisions**

BSR/UL 291-200x, Automated Teller Systems (Proposals dated 12/9/05) (revision of ANSI/UL 291-2004)

These requirements cover the construction and security of equipment intended to automatically dispense currency when operated as intended by an authorized customer, and to provide a limited degree of protection against unauthorized removal of currency. If the product also receives deposits, the same degree of protection shall also be provided for the deposits. Records shall be made in order that the authorized customer may be debited for the currency dispensed. A limited degree of protection against unauthorized manipulation or removal of the records that will prevent proper debit shall be provided.

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: Linda Phinney, UL-SC, [Linda.L.Phinney@us.ul.com](mailto:Linda.L.Phinney@us.ul.com)

BSR/UL 771-200x, Night Depositories (Proposals dated 12/9/05) (revision of ANSI/UL 771-2004)

These requirements cover the construction and security of night depository entrances. The units are intended to permit the deposit of cash, checks, and similar items, from outside a building into a chute connected to a depository within the building. A night depository is intended primarily for protection against theft of deposits by:

- (a) Fishing the deposits from the depository;
- (b) Trapping the deposits by preventing them from entering the depository, and then extracting the deposits; and
- (c) Entering the night depository by force with the aid of common burglary tools.

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: Linda Phinney, UL-SC, [Linda.L.Phinney@us.ul.com](mailto:Linda.L.Phinney@us.ul.com)

BSR/UL 786-200x, Key Locked Safes (Class KL) (Proposals dated 12/9/05) (revision of ANSI/UL 786-2004)

These requirements cover the construction and test of key-locked safes, Class KL. As used in these requirements, Class KL safes are those key-locked safes designed to offer protection against entry by common mechanical and electrical tools, and any combination of thereof. Such safes are intended primarily for the protection of daily cash deposits.

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: Linda Phinney, UL-SC, [Linda.L.Phinney@us.ul.com](mailto:Linda.L.Phinney@us.ul.com)

## **Comment Deadline: February 7, 2006**

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

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

### **New National Adoptions**

BSR/AAMI BE83-200x, Biological evaluation of medical devices - Part 18: Chemical characterization of materials (national adoption with modifications)

Describes a framework for the identification of a material and the identification and quantification of its chemical constituents.

Single copy price: \$25.00

Obtain an electronic copy from: AAMI; [hwoehrle@aami.org](mailto:hwoehrle@aami.org)

Order from: AAMI

Send comments (with copy to BSR) to: Hillary Woehrle, AAMI; [hwoehrle@aami.org](mailto:hwoehrle@aami.org)

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

### **New Standards**

BSR/IAS/AGA NGV1-200x, Natural Gas Vehicle (NGV) Fueling Connection Devices (new standard)

Construction and performance criteria for compressed natural gas vehicle fueling connection devices consisting of

- (1) a receptacle (mounted on the vehicle);
- (2) a nozzle (mounted on fueling dispenser); and/or
- (3) a three-way valve (internal or external to the nozzle), having design pressures of 2400, 3000 or 3600 psig. Nozzle design will not permit gas flow until positively engaged to the receptacle and will not release the receptacle until gas flow has ceased and captured gas is safely vented. Interfacing components are standardized.

Single copy price: \$89.00 (for NGV1, NGV1a & NGV1b)

Order from: Allen Callahan, CSA; [al.callahan@csa-america.org](mailto:al.callahan@csa-america.org)

Send comments (with copy to BSR) to: Same

**Supplements**

BSR/IAS/AGA NGV1a-200x, Natural Gas Vehicle (NGV) Fueling Connection Devices (supplement to IAS/AGA NGV1)

(see BSR/IAS/AGA NGV1-200x)

Single copy price: \$89.00 (for NGV1, NGV1a & NGV1b)

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

Send comments (with copy to BSR) to: Same

BSR/IAS/AGA NGV1b-200x, Natural Gas Vehicle (NGV) Fueling Connection Devices (supplement to IAS/AGA NGV1)

(see BSR/IAS/AGA NGV1-200x)

Single copy price: \$89.00 (for NGV1, NGV1a & NGV1b)

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

Send comments (with copy to BSR) to: Same

**Reaffirmations**

BSR/CSA NGV2-2000 (R200x), Basic Requirements for Compressed Natural Gas Vehicle (NGV) Fuel Containers (reaffirmation of ANSI/CSA NGV2-2000)

This standard contains requirements for the material, design, manufacture and testing of serially produced, refillable Type NGV2 containers intended only for the storage of compressed natural gas for vehicle operation. These containers are to be permanently attached to the vehicle. Type NGV2 containers shall not be over 1,000 liters (35.4 cu ft) water capacity.

Single copy price: \$72.00 (for NGV2 & NGV2a)

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

Send comments (with copy to BSR) to: Same

BSR/CSA NGV2a-2001 (R200x), Basic Requirements for Compressed Natural Gas Vehicle (NGV) Fuel Containers (reaffirmation of ANSI/CSA NGV2a-2001)

This standard contains requirements for the material, design, manufacture and testing of serially produced, refillable Type NGV2 containers intended only for the storage of compressed natural gas for vehicle operation. These containers are to be permanently attached to the vehicle. Type NGV2 containers shall not be over 1,000 liters (35.4 cu ft) water capacity.

Single copy price: \$72.00 (for NGV2 & NGV2a)

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

Send comments (with copy to BSR) to: Same

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

BSR/UL 142-200x, Standard for Safety for Steel Aboveground Tanks for Flammable and Combustible Liquids (new standard)

This standard contains requirements for evaluating steel atmospheric tanks intended for aboveground storage of noncorrosive, stable flammable, and combustible liquids that have a specific gravity not exceeding that of water.

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: Jeff Prusko, UL-IL; Jeffrey.Prusko@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:

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

BSR/UL 2085-200x, Protected Aboveground Tanks for Flammable and Combustible Liquids (Bulletin dated 9/26/03) (revision of ANSI/UL 2085-1999)

**Correction****BSR/UL 142-200x**

BSR/UL 142-200x, Standard for Safety for Steel Aboveground Tanks for Flammable and Combustible Liquids, was mistakenly listed in the Call-for-Comment section of the December 2, 2005 issue of Standards Action, with a comment deadline of January 31, 2006. It is being reprinted in this week's issue of Standards Action with the correct comment deadline of February 7, 2006.

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

## Order from:

### **AAMI**

Association for the Advancement  
of Medical Instrumentation  
1110 N Glebe Road  
Suite 220  
Arlington, VA 22201  
Phone: (703) 525-4890 x215

Fax: (703) 276-0793  
Web: [www.aami.org](http://www.aami.org)

### **AMT (ASC B11)**

Association for Manufacturing  
Technology  
7901 Westpark Drive  
McLean, VA 22102-4206  
Phone: (703) 827-5211  
Fax: (703) 893-1151  
Web: [www.amtonline.org](http://www.amtonline.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](http://www.ans.org/main.html)

### **ANSI**

American National Standards  
Institute  
25 West 43rd Street  
4th Floor  
New York, NY 10036  
Phone: (212) 642-4980  
Web: [www.ansi.org](http://www.ansi.org)

### **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](http://asa.aip.org/index.html)

### **ASTM**

ASTM International  
100 Barr Harbor Drive  
West Conshohocken, PA  
19428-2959  
Phone: 610-832-9743  
Web: [www.astm.org](http://www.astm.org)

### **BIFMA**

Business and Institutional Furniture  
Manufacturers Association  
2680 Horizon Drive, S.E., Suite 1-A  
Grand Rapids, MI 495467500  
Phone: (616) 285-3963  
Fax: (616) 285-3765  
Web: [www.bifma.com/](http://www.bifma.com/)

### **comm2000**

1414 Brook Drive  
Downers Grove, IL 60515  
Web: [www.comm-2000.com](http://www.comm-2000.com)

### **CSA**

CSA International  
8501 East Pleasant Valley Road  
Cleveland, OH 44131-5575  
Phone: (216) 524-4990  
Fax: (216) 642-3463  
Web:  
[www.csa.ca/english/home/index.htm](http://www.csa.ca/english/home/index.htm)

### **NCPDP**

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

## Send comments to:

### **AAMI**

Association for the Advancement  
of Medical Instrumentation  
1110 N Glebe Road  
Suite 220  
Arlington, VA 22201  
Phone: (703) 525-4890 x215  
Fax: (703) 276-0793  
Web: [www.aami.org](http://www.aami.org)

### **AMT (ASC B11)**

Association for Manufacturing  
Technology  
7901 Westpark Drive  
McLean, VA 22102-4206  
Phone: (703) 827-5211  
Fax: (703) 893-1151  
Web: [www.amtonline.org](http://www.amtonline.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](http://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](http://asa.aip.org/index.html)

### **ASTM**

ASTM International  
100 Barr Harbor Drive  
West Conshohocken, PA  
19380-2959  
Phone: 610-832-9743  
Web: [www.astm.org](http://www.astm.org)

### **BIFMA**

Business and Institutional Furniture  
Manufacturers Association  
2680 Horizon Drive, S.E., Suite 1-A  
Grand Rapids, MI 495467500  
Phone: (616) 285-3963  
Fax: (616) 285-3765  
Web: [www.bifma.com/](http://www.bifma.com/)

### **CSA**

CSA International  
8501 East Pleasant Valley Road  
Cleveland, OH 44131-5575  
Phone: (216) 524-4990  
Fax: (216) 642-3463  
Web:  
[www.csa.ca/english/home/index.  
htm](http://www.csa.ca/english/home/index.htm)

### **NCPDP**

National Council for Prescription  
Drug Programs  
9240 E. Raintree Drive  
Scottsdale, AZ 85260  
Phone: (480) 477-1000  
Web: [www.ncdpd.org](http://www.ncdpd.org)

### **OEOSC (ASC OP)**

ASC OP  
P.O. Box 25705  
Rochester, NY 14625-0705  
Phone: (716) 585-377-2540  
Fax: 585-377-2540

### **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) 664-2881  
Fax: (847) 313-2881  
Web: [www.ul.com/](http://www.ul.com/)

# Final actions on American National Standards

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

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

### Revisions

ANSI/AAMI AT6-2005, Autologous transfusion devices, edition 3 (revision of ANSI/AAMI AT6-1991 (R1996)): 12/6/2005

ANSI/AAMI ST58-2005, Chemical sterilization and high-level disinfection in health care facilities (revision of ANSI/AAMI ST58-1996, ANSI/AAMI ST58-A1-2002): 12/6/2005

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

### Reaffirmations

ANSI S12.9-Part 6-2000 (R2005), Quantities and Procedures for Description and Measurement of Environmental Sound - Part 6: Methods for Estimation of Awakenings Associated with Aircraft Noise Events Heard in Homes (reaffirmation of ANSI S12.9-Part 6-2000): 12/2/2005

### Revisions

ANSI S12.9-Part 4-2005, Quantities and Procedures for Description and Measurement of Environmental Sound - Part 4: Noise Assessment and Prediction of Long-Term Community Response (revision of ANSI S12.9-Part 4-1996 (R2001)): 12/2/2005

## ATIS (Alliance for Telecommunications Industry Solutions)

### Withdrawals

ANSI T1.662-1996, Broadband ISDN - ATM End System Address for Calling and Called Party (withdrawal of ANSI T1.662-1996 (R2000)): 12/6/2005

ANSI T1.663-1996, Broadband ISDN - Network Call Correlation Identifier (withdrawal of ANSI T1.663-1996 (R2000)): 12/6/2005

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

### Reaffirmations

- ★ ANSI Z21.63-2000 (R2005), Portable Type Gas Camp Heaters (same as CSA 11.3) (reaffirmation of ANSI Z21.63-2000): 12/6/2005

## NECA (National Electrical Contractors Association)

### New Standards

ANSI/NECA 410-2005, Standard for Installing and Maintaining Liquid-Filled Transformers (new standard): 12/2/2005

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

### Revisions

ANSI/NEMA WC 67-2005, Uninsulated Conductors Used in Electrical and Electronic Applications (revision of ANSI/NEMA WC 67-1997): 12/2/2005

## TIA (Telecommunications Industry Association)

### New Standards

ANSI/TIA 470-230-C-2005, Telecommunications - Telephone Terminal Equipment - Network Signaling Performance Requirements for Analog Telephones (new standard): 12/2/2005

## Supplements

ANSI/TIA 568-B.2-11-2005, Commercial Building Telecommunications Cabling Standard - Part 2: Balanced Twisted-Pair Cabling Components - Addendum 11: Specification for Increased Diameter of 4-Pair UTP and ScTP Cables (supplement to ANSI/TIA 568-B.2-2001): 12/2/2005

## UL (Underwriters Laboratories, Inc.)

### New Standards

ANSI/UL 1839-2005, Standard for Safety for Automotive Battery Booster Cables (new standard): 12/5/2005

### Revisions

ANSI/UL 508C-2005, Standard for Safety for Power Conversion Equipment (revision of ANSI/UL 508C-2004a): 11/29/2005

ANSI/UL 1283-2005, Standard for Safety for Electromagnetic Interference Filters (revision of ANSI/UL 1283-1996): 11/28/2005

## Correction

### ANSI/UL 921-2005

ANSI/UL 921-2005, Standard for Safety for Commercial Dishwashers, was approved as an American National Standard on July 18, 2005 and appeared in the Final Actions section of the August 8, 2005 issue of Standards Action. The standard is now being published with the corrected designation of ANSI Z83.21/CSA C22.2 No. 168/UL 921-2005.

# Project Initiation Notification System (PINS)

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

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

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

## AA (ASC H35) (Aluminum Association)

**Office:** 1525 Wilson Boulevard, Suite 600  
Arlington, VA 22209

**Contact:** Peter Pollak

**Fax:** (703) 358-2961

**E-mail:** [ppollak@aluminum.org](mailto:ppollak@aluminum.org)

BSR H35.1-200x, Alloy and Temper Designations for Aluminum  
(revision of ANSI H35.1-2004)

Stakeholders: Transportation, packaging, building, construction,  
electrical, military, etc.

Project Need: For maintenance of the standard.

Covers systems for designating wrought aluminum and wrought aluminum alloys, aluminum and aluminum alloys in the form of castings and foundry ingot, and the tempers in which wrought products and castings are produced.

BSR H35.1(M)-200x, Alloy and Temper Designation Systems for  
Aluminum (revision of ANSI H35.1(M)-2004)

Stakeholders: Transportation, packaging, building, construction,  
electrical, military, etc.

Project Need: For maintenance of the standard.

Covers systems for designating wrought aluminum and wrought aluminum alloys, aluminum and aluminum alloys in the form of castings and foundry ingot, and the tempers in which wrought products and castings are produced.

## ASABE (American Society of Agricultural and Biological Engineers)

**Office:** 2950 Niles Road  
St Joseph, MI 49085

**Contact:** Carla VanGilder

**E-mail:** [vangilder@asabe.org](mailto:vangilder@asabe.org)

BSR/ASABE S546-200x, Terminology for Grain Drying, Handling, and  
Storage (new standard)

Stakeholders: All people and companies involved with grain drying,  
handling and storage.

Project Need: To provide a consensus for definitions pertaining to  
terminology related to grain drying, handling and storage.

Establishes preferred terminology for use in grain drying, handling and storage engineering and defines terms that may not have grain drying, handling and storage definitions in a desk-top dictionary. Clarification statements follow some definitions. Preferred terms and definitions are intended for use in all standards, technical journals, magazines, textbooks, and extension publications pertaining to grain drying, handling and storage engineering. Some terms are used in other engineering disciplines or ASABE divisions and may be defined differently in standards pertaining to those disciplines or divisions.

## ATIS (Alliance for Telecommunications Industry Solutions)

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

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**E-mail:** [scarioti@atis.org](mailto:scarioti@atis.org); [acolon@atis.org](mailto:acolon@atis.org)

BSR ATIS 0300213-200x, Coded Identification of Equipment Entities of  
the North American Telecommunications System for Information  
Exchange (revision, redesignation and consolidation of ANSI  
T1.213-2001 and ANSI T1.213a-2001)

Stakeholders: Telecom and Information Technology Industry.

Project Need: To provide the American National Standard for the  
coded representation of equipment entities for identifying equipment  
engineered or furnished by manufacturers and suppliers and for  
information exchange between telecommunications carriers.

This standard provides the structure and the coded representation of  
equipment entities. When used in conjunction with associated records,  
the Equipment Entity codes are intended:

- (a) to identify equipment included within circuit details exchanged  
between telecommunications carriers;
- (b) as an identification to be marked on manufactured equipment  
according to customer requirements, within the framework of this  
standard; and
- (c) as an aid in identifying equipment engineered or furnished by  
manufacturers and suppliers.

BSR ATIS 0600401-200x, Network to Customer Installation Interfaces -  
Analog Voicegrade Switched Access Lines Using Loop-Start and  
Ground-Start Signaling (revision, redesignation and consolidation of  
ANSI T1.401a-2001 and ANSI T1.401b-2002)

Stakeholders: Telecom Industry.

Project Need: To provide signaling requirements associated with  
analog voicegrade switched access lines that use loop-start and  
ground-start signaling between the public switched network and the  
customer premises.

This standard provides the signaling requirements associated with  
analog voicegrade switched access lines that use loop-start and  
ground-start signaling. In this standard, the public switched network is  
referred to as the Network, and the customer premises cabling and  
equipment is referred to as the Customer Installation (CI).



**ESTA (ASC E1) (Entertainment Services and Technology Association)**

**Office:** 875 Sixth Avenue, Suite 1005  
New York, NY 10001

**Contact:** Karl Ruling

**Fax:** (212) 244-1502

**E-mail:** kruling@esta.org

BSR E1.3-2001 (R200x), Entertainment Technology - Lighting Control Systems - 0 to 10V Analog Control Specification (reaffirmation of ANSI E1.3-2001)

Stakeholders: Entertainment lighting control equipment manufacturers, specifiers, dealers, rental companies, and users.

Project Need: To reaffirm ANSI E1.3-2001, which is approaching its fifth birthday. The standard has been useful for entertainment lighting control equipment manufacturers, specifiers, dealers, rental companies, and users.

This standard describes a method of controlling equipment by means of an analog control voltage. It is primarily intended for lighting control equipment (controllers and dimmers), although any equipment that might be controlled by a lighting controller could use this control method. This standard does not address electro-magnetic compatibility (EMC) issues.

BSR E1.9-200x, Reporting Photometric Performance Data for Luminaires Used in Entertainment Lighting (revision of ANSI E1.9-2001)

Stakeholders: Photometric testing laboratories, theatrical luminaire manufacturers, luminaire specifiers.

Project Need: To revise ANSI E1.9-2001, which is approaching its fifth birthday. The existing standard needs to be revised because it has too many nonessential requirements, which has impeded its adoption.

E1.9 is intended to be used for the presentation of photometric data for luminaires used in the entertainment and performance industries. This standard defines the minimum photometric data to be presented on documents purporting to describe the photometric performance of these luminaires accurately.

BSR E1.14-2001 (R200x), Entertainment Technology - Recommendations for Inclusions in Fog Equipment Manuals (reaffirmation of ANSI E1.14-2001)

Stakeholders: Nationally recognized testing laboratories, theatrical fog equipment manufacturers.

Project Need: To reaffirm ANSI E1.14-2001, which is approaching its fifth birthday. It has been a useful guidance document for specifying what information fog equipment manufacturers need to give equipment users and for telling end-users what information they should expect to receive.

E1.14 applies to the instruction manuals for fog equipment manufactured for use in the entertainment industry. The standard is designed to establish guidelines for manufacturers to provide to the user by way of an instruction manual the necessary information required for the safe and responsible use of their fog equipment.

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

Stakeholders: Nationally recognized testing laboratories, AHJs, theatrical fog equipment manufacturers.

Project Need: To provide a product safety standard that is specifically written for theatrical fog generators and that addresses the hygiene of the fog produced.

E1.29 is intended to provide guidance on determining the electrical and fire safety of theatrical fog generators rated 600 V or less, and intended to be used in accordance with the requirements of ANSI/NFPA 70 and the Rules of the Canadian Electrical Code (CEC), Part 1, C22.1, and also guidance on determining the hygiene of the fog produced by the fog generators.

BSR E1.30-200x, Application level equipment interoperability for control of commonly encountered entertainment technology devices using E1.17 (new standard)

Stakeholders: Entertainment lighting control equipment manufacturers, specifiers, dealers, rental companies, and users.

Project Need: The E1.17 control protocol project is approaching completion, but there is a need to continue to develop equipment interoperability profiles to be used in conjunction with it.

This specification shall consist of a set of Interoperability Profiles defining standard DMP device types using device description templates written in DDL. Additional motivational text will be included to aid understanding for newcomers to E1.17. Manufacturers of entertainment technology equipment are encouraged to expose their ACN devices on the network using these device types to achieve application-level interoperability across manufacturers.

BSR E1.31-200x, Lightweight streaming protocol for transport of DMX512 using ACN (new standard)

Stakeholders: Entertainment lighting control equipment manufacturers, specifiers, dealers, rental companies, and users.

Project Need: The E1.17 control protocol project is approaching completion, but there is a need to develop a minimalist subset of DMP operating at the ACN root layer for streaming data for very lightweight devices.

E1.31 is intended to provide a very simple protocol that offers functionality comparable to existing DMX over Ethernet protocols while being compatible with the E1.17 suite of protocols. Device Management Protocol over Session Data Transport provides an elegant mechanism for streaming DMX-type data intermixed with more random access data and high-speed feedback in a flexible and highly scalable way.

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

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BSR/WDMA I.S. 6A-200x, Industry Specification for Architectural Stile and Rail Doors (revision of ANSI/WDMA I.S.6A-2001)

Stakeholders: Architectural stile and rail door manufacturers, in mutual interest with Architectural and Building industries.

Project Need: Review, update, and add performance criteria (as defined in WDMA I.S. 1A-04, Industry Standard for Architectural Wood Flush Doors) to I.S. 6A-01, Industry Standard for Architectural Stile and Rail Doors

This is a general industry standard that provides quality levels for the construction of architectural stile and rail doors. Function, performance and aesthetics are combined in producing a stile and rail door for a particular opening.

# 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
- 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](http://www.ansi.org), select Internet Resources, click on "Standards Information," and see "American National Standards Maintained Under Continuous Maintenance". This information is also available directly at <http://public.ansi.org/ansionline/Documents/Standards%20Activities/American%20National%20Standards/Procedures,%20Guides,%20and%20Forms/>.

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



# 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](mailto: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 10416, Petroleum and natural gas industries - Drilling fluids - Laboratory testing - 3/3/2006, \$164.00

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

ISO/DIS 21847-1, Nuclear fuel technology - Alpha spectrometry - Part 1: Determination of neptunium in uranium and its compounds - 3/3/2006, \$32.00

ISO/DIS 21847-2, Nuclear fuel technology - Alpha spectrometry - Part 2: Determination of plutonium in uranium and its compounds - 3/3/2006, \$32.00

ISO/DIS 21847-3, Nuclear fuel technology - Alpha spectrometry - Part 3: Determination of uranium 232 in uranium and its compounds - 3/3/2006, \$32.00

## **OTHER**

ISO/DIS 26082, Leather - Physical and mechanical tests - Determination of soiling with rubbing for automotive leather - 3/2/2006, \$39.00

## **PLASTICS (TC 61)**

ISO/DIS 21318, Plastics - Epoxy resins - Determination of electrical conductivity of aqueous resin extracts - 3/3/2006, \$32.00

## **SMALL CRAFT (TC 188)**

ISO/DIS 12215-8, Small craft - Hull construction and scantlings - Part 8: Rudders - 3/2/2006, \$101.00

ISO/DIS 12215-9, Small craft - Hull construction and scantlings - Part 9: Sailing boats - Appendages and rig attachment - 3/2/2006, \$111.00

## **SPORTS AND RECREATIONAL EQUIPMENT (TC 83)**

ISO/DIS 8364, Alpine skis and bindings - Binding mounting area - Requirements and test methods - 3/9/2006, \$62.00

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

ISO/DIS 22413, Transfer sets for pharmaceutical preparations - Requirements and test methods - 3/9/2006, \$62.00

## **WATER QUALITY (TC 147)**

ISO/DIS 11885, Water quality - Determination of selected elements by inductively coupled plasma optical emission spectrometry (ICP-OES) - 2/23/2006, \$87.00

# 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](http://www.ansi.org). All paper copies are available from Global Engineering Documents.

## ISO Standards

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

- [ISO 14520-10:2005](#), Gaseous fire-extinguishing systems - Physical properties and system design - Part 10: HFC 23 extinguishant, \$45.00
- [ISO 14520-11:2005](#), Gaseous fire-extinguishing systems - Physical properties and system design - Part 11: HFC 236fa extinguishant, \$45.00
- [ISO 14520-12:2005](#), Gaseous fire-extinguishing systems - Physical properties and system design - Part 12: IG-01 extinguishant, \$45.00
- [ISO 14520-13:2005](#), Gaseous fire-extinguishing systems - Physical properties and system design - Part 13: IG-100 extinguishant, \$39.00
- [ISO 14520-14:2005](#), Gaseous fire-extinguishing systems - Physical properties and system design - Part 14: IG-55 extinguishant, \$45.00
- [ISO 14520-15:2005](#), Gaseous fire-extinguishing systems - Physical properties and system design - Part 15: IG-541 extinguishant, \$53.00

### ROAD VEHICLES (TC 22)

- [ISO 15830-1:2005](#), Road vehicles - Design and performance specifications for the WorldSID 50th percentile male side-impact dummy - Part 1: Terminology and rationale, \$154.00
- [ISO 15830-2:2005](#), Road vehicles - Design and performance specifications for the WorldSID 50th percentile male side-impact dummy - Part 2: Mechanical subsystems, \$111.00
- [ISO 15830-3:2005](#), Road vehicles - Design and performance specifications for the WorldSID 50th percentile male side-impact dummy - Part 3: Electronic subsystems, \$111.00
- [ISO 15830-4:2005](#), Road vehicles - Design and performance specifications for the WorldSID 50th percentile male side impact dummy - Part 4: Users manual, \$164.00

### RUBBER AND RUBBER PRODUCTS (TC 45)

- [ISO 7663:2005](#), Halogenated isobutene-isoprene rubber (BIIR and CIIR) - Evaluation procedures, \$53.00

## ISO Technical Specifications

### INDUSTRIAL AUTOMATION SYSTEMS AND INTEGRATION (TC 184)

- [ISO/TS 10303-1169:2005](#), Industrial automation systems and integration - Product data representation and exchange - Part 1169: Application module: Activity structure and classification, \$76.00
- [ISO/TS 10303-1170:2005](#), Industrial automation systems and integration - Product data representation and exchange - Part 1170: Application module: Class of activity structure, \$76.00
- [ISO/TS 10303-1171:2005](#), Industrial automation systems and integration - Product data representation and exchange - Part 1171: Application module: Class of composition of activity, \$76.00

[ISO/TS 10303-1172:2005](#), Industrial automation systems and integration - Product data representation and exchange - Part 1172: Application module: Class of connection of activity, \$76.00

[ISO/TS 10303-1173:2005](#), Industrial automation systems and integration - Product data representation and exchange - Part 1173: Application module: Class of involvement in activity, \$76.00

[ISO/TS 10303-1174:2005](#), Industrial automation systems and integration - Product data representation and exchange - Part 1174: Application module: Class of activity library, \$76.00

[ISO/TS 10303-1175:2005](#), Industrial automation systems and integration - Product data representation and exchange - Part 1175: Application module: Individual activity structure, \$76.00

[ISO/TS 10303-1176:2005](#), Industrial automation systems and integration - Product data representation and exchange - Part 1176: Application module: Individual activity, \$76.00

[ISO/TS 10303-1177:2005](#), Industrial automation systems and integration - Product data representation and exchange - Part 1177: Application module: Composition of individual activity, \$76.00

[ISO/TS 10303-1178:2005](#), Industrial automation systems and integration - Product data representation and exchange - Part 1178: Application module: Connection of individual activity, \$76.00

[ISO/TS 10303-1179:2005](#), Industrial automation systems and integration - Product data representation and exchange - Part 1179: Application module: Individual involvement in activity, \$76.00

[ISO/TS 10303-1156:2005](#), Industrial automation systems and integration - Product data representation and exchange - Part 1156: Application module: Product structure and classification, \$76.00

[ISO/TS 10303-1157:2005](#), Industrial automation systems and integration - Product data representation and exchange - Part 1157: Application module: Class of product structure, \$76.00

[ISO/TS 10303-1158:2005](#), Industrial automation systems and integration - Product data representation and exchange - Part 1158: Application module: Class of composition of product, \$76.00

[ISO/TS 10303-1159:2005](#), Industrial automation systems and integration - Product data representation and exchange - Part 1159: Application module: Class of connection of product, \$76.00

[ISO/TS 10303-1160:2005](#), Industrial automation systems and integration - Product data representation and exchange - Part 1160: Application module: Class of containment of product, \$76.00

[ISO/TS 10303-1161:2005](#), Industrial automation systems and integration - Product data representation and exchange - Part 1161: Application module: Class of involvement of product in connection, \$76.00

[ISO/TS 10303-1162:2005](#), Industrial automation systems and integration - Product data representation and exchange - Part 1162: Application module: Class of product library, \$76.00

[ISO/TS 10303-1163:2005](#), Industrial automation systems and integration - Product data representation and exchange - Part 1163: Application module: Individual product structure, \$76.00

[ISO/TS 10303-1166:2005](#), Industrial automation systems and integration - Product data representation and exchange - Part 1166: Application module: Composition of individual product, \$76.00

[ISO/TS 10303-1167:2005](#). Industrial automation systems and integration - Product data representation and exchange - Part 1167: Application module: Connection of individual product, \$76.00

[ISO/TS 10303-1168:2005](#). Industrial automation systems and integration - Product data representation and exchange - Part 1168: Application module: Containment of individual product, \$76.00

[ISO/TS 10303-1165:2005](#). Industrial automation systems and integration - Product data representation and exchange - Part 1165: Application module: Involvement of individual product in connection, \$76.00

[ISO/TS 10303-1212:2005](#). Industrial automation systems and integration - Product data representation and exchange - Part 1212: Application module: Classification, \$76.00

[ISO/TS 10303-1211:2005](#). Industrial automation systems and integration - Product data representation and exchange - Part 1211: Application module: Cardinality of relationship, \$76.00

[ISO/TS 10303-1092:2005](#). Industrial automation systems and integration - Product data representation and exchange - Part 1092: Application module: Maths value, \$76.00

[ISO/TS 10303-1091:2005](#). Industrial automation systems and integration - Product data representation and exchange - Part 1091: Application module: Maths space, \$76.00

[ISO/TS 10303-1198:2005](#). Industrial automation systems and integration - Product data representation and exchange - Part 1198: Application module: Property and property assignment, \$76.00

[ISO/TS 10303-1099:2005](#). Industrial automation systems and integration - Product data representation and exchange - Part 1099: Application module: Independent property definition, \$76.00

[ISO/TS 10303-1199:2005](#). Industrial automation systems and integration - Product data representation and exchange - Part 1199: Application module: Possession of property, \$76.00

[ISO/TS 10303-1109:2005](#). Industrial automation systems and integration - Product data representation and exchange - Part 1109: Application module: Alternative solution, \$97.00

[ISO/TS 10303-1103:2005](#). Industrial automation systems and integration - Product data representation and exchange - Part 1103: Application module: Product class, \$97.00

[ISO/TS 10303-1063:2005](#). Industrial automation systems and integration - Product data representation and exchange - Part 1063: Application module: Product occurrence, \$97.00

[ISO/TS 10303-1108:2005](#). Industrial automation systems and integration - Product data representation and exchange - Part 1108: Application module: Specification based configuration, \$97.00

[ISO/TS 10303-1104:2005](#). Industrial automation systems and integration - Product data representation and exchange - Part 1104: Application module: Specified product, \$97.00

[ISO/TS 10303-1203:2005](#). Industrial automation systems and integration - Product data representation and exchange - Part 1203: Application module: Schematic and symbolization, \$76.00

[ISO/TS 10303-1188:2005](#). Industrial automation systems and integration - Product data representation and exchange - Part 1188: Application module: Class of person, \$76.00

[ISO/TS 10303-1204:2005](#). Industrial automation systems and integration - Product data representation and exchange - Part 1204: Application module: Schematic drawing, \$76.00

[ISO/TS 10303-1205:2005](#). Industrial automation systems and integration - Product data representation and exchange - Part 1205: Application module: Schematic element, \$81.00

[ISO/TS 10303-1206:2005](#). Industrial automation systems and integration - Product data representation and exchange - Part 1206: Application module: Draughting annotation, \$76.00

[ISO/TS 10303-1207:2005](#). Industrial automation systems and integration - Product data representation and exchange - Part 1207: Application module: Drawing structure and administration, \$76.00

[ISO/TS 10303-1151:2005](#). Industrial automation systems and integration - Product data representation and exchange - Part 1151: Application module: Functional data, \$67.00

[ISO/TS 10303-1213:2005](#). Industrial automation systems and integration - Product data representation and exchange - Part 1213: Application module: Reference data library, \$67.00

## IEC Standards

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

[IEC 61196-1-100 Ed. 1.0 b:2005](#). Coaxial communication cables - Part 1-100: Electrical test methods - General requirements, \$30.00

[IEC 61196-1-101 Ed. 1.0 b:2005](#). Coaxial communication cables - Part 1-101: Electrical test methods - Test for conductor d.c. resistance of cable, \$30.00

[IEC 61196-1-104 Ed. 1.0 b:2005](#). Coaxial communication cables - Part 1-104: Electrical test methods - Test for capacitance stability of cable, \$27.00

[IEC 61196-1-108 Ed. 1.0 b:2005](#). Coaxial communication cables - Part 1-108: Electrical test methods - Test for characteristic impedance, phase and group delay, electrical length and propagation velocity, \$37.00

[IEC 61196-1-200 Ed. 1.0 b:2005](#). Coaxial communication cables - Part 1-200: Environmental test methods - General requirements, \$24.00

[IEC 61196-1-301 Ed. 1.0 b:2005](#). Coaxial communication cables - Part 1-301: Mechanical test methods - Test for ovality, \$24.00

[IEC 61196-1-302 Ed. 1.0 b:2005](#). Coaxial communication cables - Part 1-302: Mechanical test methods - Test for eccentricity, \$24.00

[IEC 61196-1-316 Ed. 1.0 b:2005](#). Coaxial communication cables - Part 1-316: Mechanical test methods - Test of maximum pulling force of cable, \$24.00

### **ELECTRICAL ACCESSORIES (TC 23)**

[IEC 61543 Amd.2 Ed. 1.0 b:2005](#). Amendment 2 - Residual current-operated protective devices (RCDs) for household and similar use - Electromagnetic compatibility, \$20.00

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

[IEC 60601-2-37 Amd.2 Ed. 1.0 en:2005](#). Amendment 2 - Medical electrical equipment - Part 2-37: Particular requirements for the safety of ultrasonic medical diagnostic and monitoring equipment, \$18.00

### **ELECTRICAL INSTALLATIONS OF BUILDINGS (TC 64)**

[IEC 60364-1 Ed. 5.0 b:2005](#). Low-voltage electrical installations - Part 1: Fundamental principles, assessment of general characteristics, definitions, \$122.00

### **ELECTRICAL MOTOR-OPERATED CLEANING APPLIANCES FOR INDUSTRIAL USE (TC 61J)**

[IEC 60335-2-67 Ed. 3.1 en:2005](#). Household and similar electrical appliances - Safety - Part 2-67: Particular requirements for floor treatment and floor cleaning machines, for industrial and commercial use, \$89.00

[IEC 60335-2-68 Ed. 3.1 en:2005](#). Household and similar electrical appliances - Safety - Part 2-68: Particular requirements for spray extraction appliances, for industrial and commercial use, \$89.00

[IEC 60335-2-72 Amd.1 Ed. 2.0 en:2005](#), Amendment 1 - Household and similar electrical appliances - Safety - Part 2-72: Particular requirements for automatic machines for floor treatment for commercial and industrial use, \$66.00

#### **ELECTROMAGNETIC COMPATIBILITY (TC 77)**

[IEC 61000-3-2 Ed. 3.0 b:2005](#), Electromagnetic compatibility (EMC) - Part 3-2: Limits - Limits for harmonic current emissions (equipment input current  $\leq$  16 A per phase), \$89.00

[IEC 61000-4-5 Ed. 2.0 b:2005](#), Electromagnetic compatibility (EMC) - Part 4-5: Testing and measurement techniques - Surge immunity test, \$122.00

#### **ELECTROMECHANICAL COMPONENTS AND MECHANICAL STRUCTURES FOR ELECTRONIC EQUIPMENTS (TC 48)**

[IEC/PAS 61076-3-114 Ed. 1.0 en:2005](#), Connectors for electronic equipment - Part 3-114: Rectangular connectors - Protective housings for use with 8-way shielded and unshielded connectors for frequencies up to 600 MHz for industrial environments incorporating the IEC 60603-7 series interface - Variant 11 related to IEC 61076-3-106 - Bayonet coupling type, \$66.00

[IEC/PAS 61076-3-115 Ed. 1.0 en:2005](#), Connectors for electronic equipment - Part 3-115: Rectangular connectors - Protective housings for use with 8-way shielded and unshielded connectors for frequencies up to 600 MHz for industrial environments incorporating the IEC 60603-7 series interface - Variant 12 related to IEC 61076-3-106 - Push-pull type, \$66.00

[IEC/PAS 61076-3-116 Ed. 1.0 en:2005](#), Connectors for electronic equipment - Part 3-116: Rectangular connectors - Protective housings for use with 8-way shielded and unshielded connectors for frequencies up to 600 MHz for industrial environments incorporating the IEC 60603-7 series interface - Variant 13 related to IEC 61076-3-106 - Bayonet coupling with spring clamp, \$73.00

#### **FIBRE OPTICS (TC 86)**

[IEC/TR 62000 Ed. 1.0 en:2005](#), Single-mode fibre compatibility guidelines, \$34.00

#### **FUSES (TC 32)**

[IEC 60282-1 Ed. 6.0 b:2005](#), High-voltage fuses - Part 1: Current-limiting fuses, \$187.00

#### **INSULATING MATERIALS (TC 15)**

[IEC 60371-3-5 Ed. 2.0 en:2005](#), Insulating materials based on mica - Part 3: Specifications for individual materials - Sheet 5: Glass-backed mica paper with an epoxy resin binder for post-impregnation (VPI), \$40.00

[IEC 60684-2 Amd.2 Ed. 2.0 en:2005](#), Amendment 2 - Flexible insulating sleeving - Part 2: Methods of test, \$43.00

[IEC 60684-3-212 Ed. 2.0 en:2005](#), Flexible insulating sleeving - Part 3: Specifications for individual types of sleeving - Sheet 212: Heat-shrinkable polyolefin sleeveings, \$43.00

[IEC 60684-3-214 Ed. 2.0 en:2005](#), Flexible insulating sleeving - Part 3: Specifications for individual types of sleeving - Sheet 214: Heat-shrinkable, polyolefin sleeving, not flame retarded, shrink ratio 3:1 - Thick and medium wall, \$40.00

[IEC 62329-1 Ed. 1.0 en:2005](#), Heat shrinkable moulded shapes - Part 1: Definitions and general requirements, \$34.00

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

[IEC 61347-2-1 Amd.1 Ed. 1.0 b:2005](#), Amendment 1 - Lamp controlgear - Part 2-1: Particular requirements for starting devices (other than glow starters), \$20.00

#### **LASER EQUIPMENT (TC 76)**

[IEC/TR 60825-5 Ed. 2.0 b:2005](#), Safety of laser products - Part 5: Manufacturer's checklist for IEC 60825-1, \$73.00

#### **OTHER**

[CISPR 16-1-4 Amd.2 Ed. 1.0 b:2005](#), Amendment 2 - Specification for radio disturbance and immunity measuring apparatus and methods - Part 1-4: Radio disturbance and immunity measuring apparatus - Ancillary equipment - Radiated disturbances, \$24.00

#### **OVENS AND MICROWAVE OVENS, COOKING RANGES AND SIMILAR APPLIANCES (TC 59K)**

[IEC 61591 Ed. 1.1 b:2005](#), Household range hoods - Methods for measuring performance, \$60.00

#### **SAFETY OF HOUSEHOLD AND SIMILAR ELECTRICAL APPLIANCES (TC 61)**

[IEC 60335-2-35 Ed. 4.0 b:2005](#), Household and similar electrical appliances - Safety - Part 2-35: Particular requirements for instantaneous water heaters, \$73.00

[IEC 60335-2-43 Ed. 3.1 b:2005](#), Household and similar electrical appliances - Safety - Part 2-43: Particular requirements for clothes dryers and towel rails, \$43.00

[IEC 60335-2-80 Ed. 2.0 b:2005](#), Household and similar electrical appliances - Safety - Part 2-80: Particular requirements for fans, \$43.00

[IEC 60335-2-85 Ed. 2.0 b:2005](#), Household and similar electrical appliances - Safety - Part 2-85: Particular requirements for fabric steamers, \$43.00

#### **SECONDARY CELLS AND BATTERIES (TC 21)**

[IEC 61951-1 Amd.1 Ed. 2.0 b:2005](#), Amendment 1 - Secondary cells and batteries containing alkaline or other non-acid electrolytes - Portable sealed rechargeable single cells - Part 1: Nickel-cadmium, \$27.00

#### **SEMICONDUCTOR DEVICES (TC 47)**

[IEC 60749-24 Ed. 1.0 b:2005](#), Semiconductor devices - Mechanical and climatic test methods - Part 24: Accelerated moisture resistance - Unbiased HAST, \$37.00

[IEC 60749-33 Ed. 1.0 b:2005](#), Semiconductor devices - Mechanical and climatic test methods - Part 33: Accelerated moisture resistance - Unbiased autoclave, \$34.00

[IEC 60749-34 Ed. 1.0 b:2005](#), Semiconductor devices - Mechanical and climatic test methods - Part 34: Power cycling, \$40.00

#### **SMALL HOUSEHOLD APPLIANCES (TC 59L)**

[IEC 60661 Amd.2 Ed. 2.0 b:2005](#), Amendment 2 - Methods for measuring the performance of electric household coffee makers, \$24.00

#### **SWITCHGEAR AND CONTROLGEAR (TC 17)**

[IEC 62271-111 Ed. 1.0 en:2005](#), High voltage switchgear and controlgear - Part 111: Overhead, pad-mounted, dry vault, and submersible automatic circuit reclosers and fault interrupters for alternating current systems up to 38 kV, \$163.00

#### **WINDING WIRES (TC 55)**

[IEC 60317-0-1 Ed. 2.2 b:2005](#), Specifications for particular types of winding wires - Part 0-1: General requirements - Enamelled round copper wire, \$89.00

[IEC 60317-30 Amd.2 Ed. 1.0 b:2005](#), Amendment 2 - Specifications for particular types of winding wires - Part 30: Polyimide enamelled rectangular copper wire, class 220, \$18.00

[IEC 60317-31 Amd.2 Ed. 1.0 b:2005](#), Amendment 2 - Specifications for particular types of winding wires - Part 31: Glass-fibre wound resin or varnish impregnated, bare or enamelled rectangular copper wire, temperature index 180, \$17.00

[IEC 60317-32 Amd.2 Ed. 1.0 b:2005](#), Amendment 2 - Specifications for particular types of winding wires - Part 32: Glass-fibre wound resin or varnish impregnated, bare or enamelled rectangular copper wire, temperature index 155, \$18.00

[IEC 60317-33 Amd.2 Ed. 1.0 b:2005](#), Amendment 2 - Specifications for particular types of winding wires - Part 33: Glass-fibre wound resin or varnish impregnated, bare or enamelled rectangular copper wire, temperature index 200, \$18.00

[IEC 60317-39 Amd.2 Ed. 1.0 b:2005](#), Amendment 2 - Specifications for particular types of winding wires - Part 39: Glass-fibre braided resin or varnish impregnated, bare or enamelled rectangular copper wire, temperature index 180, \$18.00

[IEC 60317-40 Amd.2 Ed. 1.0 b:2005](#), Amendment 2 - Specifications for particular types of winding wires - Part 40: Glass-fibre braided resin or varnish impregnated, bare or enamelled rectangular copper wire, temperature index 200, \$18.00

## IEC Technical Specifications

### EVALUATION AND QUALIFICATION OF ELECTRICAL INSULATING MATERIALS AND SYSTEMS (TC 112)

[IEC/TS 61244-3 Ed. 2.0 en:2005](#), Long-term radiation ageing in polymers - Part 3: Procedures for in-service monitoring of low-voltage cable materials, \$89.00

# 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 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](mailto: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

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## Procedures and Standards Administration

### PINS Correction

#### Z21 Standards

Two of the BSR Z21 listings in the PINS section of the December 2, 2005 issue of Standards Action had incorrect designations. Please note the following corrections:

BSR Z21.10.3a (CSA 4.3a) is incorrect. The "a" addenda is already assigned to an existing project. The "b" addendum is what should have been listed.

BSR Z21.10.1a (CSA 4.1a) is incorrect. This should be a new edition and should have been listed as BSR Z21.10.1 (CSA 4.1).

Comments should be sent to: Allen Callahan, CSA;  
al.callahan@csa-america.org.

## ANSI Accredited Standards Developers

### Approval of Accreditation

#### Professional Ropes Course Association (PRCA)

ANSI's Executive Standards Council has approved the accreditation of the Professional Ropes Course Association (PRCA) under its own operating procedures for documenting consensus on proposed American National Standards, effective December 2, 2005. For additional information, please contact: Mr. Steven Gustafson, Board of Directors, President, Professional Ropes Course Association, 6260 East Riverside Boulevard, #104, Rockford, IL 61114; PHONE: (815) 637-2969; FAX: (815) 637-2964; E-mail: info@prcainfo.org.

### Approval of Reaccreditation

#### Recreational Park Trailer Industry Association (RPTIA)

ANSI's Executive Standards Council has approved the reaccreditation of the Recreational Park Trailer Industry Association (RPTIA) under its own revised organizational operating procedures for documenting consensus on proposed American National Standards, effective December 1, 2005. For additional information, please contact: Ms. Kathy Rook, Standards Administrator, Recreational Park Trailer Industry Association, 30 Greenville Street, 2nd Floor, Newnan, GA 30263-2602; PHONE: (770) 251-2672; FAX: (770) 251-0025; E-mail: krook@mail2.newnanutilities.org.

### Withdrawal of Accreditation

#### ASC Z21/83 – Performance and Installation of Gas-Burning Appliances and Related Accessories and Industrial Gas Equipment and Utilization

ANSI's Executive Standards Council has approved a request submitted by CSA America, Inc. and endorsed by ASC Z21/83, Performance and Installation of Gas-Burning Appliances and Related Accessories and Industrial Gas Equipment and Utilization, to withdraw the ASC's accreditation and transfer all responsibilities related to the maintenance of ASC Z21/83's American National Standards to CSA America, Inc. under newly reaccredited operating procedures for documenting consensus on proposed American National Standards under the scope of this

activity. These actions are taken, effective December 6, 2005. For additional information, please contact: Mr. Allen Callahan, Manager, Standards Development, CSA America, Inc., 8501 East Pleasant Valley Road, Cleveland, OH 44131-5575; PHONE: (216) 524-4990; E-mail: al.callahan@csa-america.org.

## International Organization for Standardization (ISO)

### Calls for International Secretariat and/or Technical Advisory Group (TAG) Administrator

#### Relinquishments of Secretariat and US TAG

#### ISO/TC 166 – Ceramic ware, glassware and glass ceramic ware in contact with food

#### Comment Deadline: January 8, 2006

ANSI has been advised by ASTM they no longer wish to serve as delegated Secretariat or Administrator for the US Technical Advisory Group (TAG) for this technical committee.

The scope of ISO/TC 166 as follows:

Standardization in the field of ceramic ware, glassware and glass ceramic ware in contact with food.

Excluded: vitreous and porcelain enamel ware as dealt with by ISO/TC 107.

Any organization wishing to assume either the role of delegated ISO Secretariat or US TAG Administrator for ISO/TC 166, 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 8, 2006.

#### ISO/TC 204 – Intelligent Transport Systems

#### Comment Deadline: January 8, 2006

ANSI has been advised by the Intelligent Transportation Society of America they no longer wish to serve as delegated Secretariat or Administrator for the US Technical Advisory Group (TAG) for this technical committee.

The scope of ISO/TC 204 as follows:

Standardization of information, communication and control systems in the field of urban and rural surface transportation, including intermodal and multimodal aspects thereof, traveler 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). 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 program in this field including the schedule for standards development, taking into account the work of existing international standardization bodies.

Any organization wishing to assume either the role of delegated ISO Secretariat or US TAG Administrator for ISO/TC 204, 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 8, 2006.

## STANDARDS ACTION PUBLISHING SCHEDULE FOR 2006 Volume No. 37

VOL. 37	Developer Submits Data to PSA Between these Dates		2006 Standards Action Date & Public Review Comment Deadline			
	Issue	ASD submit start (Tuesday)	ASD submit end (Monday)	SA Published (Friday)	60-day PR ends	45-day PR ends
1	12/20/2005	12/26/2005	<b>6-Jan</b>	3/7/2006	2/20/2006	2/5/2006
2	12/27/2005	1/2/2006	<b>13-Jan</b>	3/14/2006	2/27/2006	2/12/2006
3	1/3/2006	1/9/2006	<b>20-Jan</b>	3/21/2006	3/6/2006	2/19/2006
4	1/10/2006	1/16/2006	<b>27-Jan</b>	3/28/2006	3/13/2006	2/26/2006
5	1/17/2006	1/23/2006	<b>3-Feb</b>	4/4/2006	3/20/2006	3/5/2006
6	1/24/2006	1/30/2006	<b>10-Feb</b>	4/11/2006	3/27/2006	3/12/2006
7	1/31/2006	2/6/2006	<b>17-Feb</b>	4/18/2006	4/3/2006	3/19/2006
8	2/7/2006	2/13/2006	<b>24-Feb</b>	4/25/2006	4/10/2006	3/26/2006
9	2/14/2006	2/20/2006	<b>3-Mar</b>	5/2/2006	4/17/2006	4/2/2006
10	2/21/2006	2/27/2006	<b>10-Mar</b>	5/9/2006	4/24/2006	4/9/2006
11	2/28/2006	3/6/2006	<b>17-Mar</b>	5/16/2006	5/1/2006	4/16/2006
12	3/7/2006	3/13/2006	<b>24-Mar</b>	5/23/2006	5/8/2006	4/23/2006
13	3/14/2006	3/20/2006	<b>31-Mar</b>	5/30/2006	5/15/2006	4/30/2006
14	3/21/2006	3/27/2006	<b>7-Apr</b>	6/6/2006	5/22/2006	5/7/2006
15	3/28/2006	4/3/2006	<b>14-Apr</b>	6/13/2006	5/29/2006	5/14/2006
16	4/4/2006	4/10/2006	<b>21-Apr</b>	6/20/2006	6/5/2006	5/21/2006
17	4/11/2006	4/17/2006	<b>28-Apr</b>	6/27/2006	6/12/2006	5/28/2006
18	4/18/2006	4/24/2006	<b>5-May</b>	7/4/2006	6/19/2006	6/4/2006
19	4/25/2006	5/1/2006	<b>12-May</b>	7/11/2006	6/26/2006	6/11/2006
20	5/2/2006	5/8/2006	<b>19-May</b>	7/18/2006	7/3/2006	6/18/2006
21	5/9/2006	5/15/2006	<b>26-May</b>	7/25/2006	7/10/2006	6/25/2006
22	5/16/2006	5/22/2006	<b>2-Jun</b>	8/1/2006	7/17/2006	7/2/2006
23	5/23/2006	5/29/2006	<b>9-Jun</b>	8/8/2006	7/24/2006	7/9/2006
24	5/30/2006	6/5/2006	<b>16-Jun</b>	8/15/2006	7/31/2006	7/16/2006
25	6/6/2006	6/12/2006	<b>23-Jun</b>	8/22/2006	8/7/2006	7/23/2006
26	6/13/2006	6/19/2006	<b>30-Jun</b>	8/29/2006	8/14/2006	7/30/2006
27	6/20/2006	6/26/2006	<b>7-Jul</b>	9/5/2006	8/21/2006	8/6/2006
28	6/27/2006	7/3/2006	<b>14-Jul</b>	9/12/2006	8/28/2006	8/13/2006

<b>VOL. 37</b>	<b>Developer Submits Data to PSA Between these Dates</b>		<b>2006 Standards Action Date &amp; Public Review Comment Deadline</b>			
<b>Issue</b>	<b>ASD submit start (Tuesday)</b>	<b>ASD submit end (Monday)</b>	<b>SA Published (Friday)</b>	<b>60-day PR ends</b>	<b>45-day PR ends</b>	<b>30-day PR ends</b>
29	7/4/2006	7/10/2006	<b>21-Jul</b>	9/19/2006	9/4/2006	8/20/2006
30	7/11/2006	7/17/2006	<b>28-Jul</b>	9/26/2006	9/11/2006	8/27/2006
31	7/18/2006	7/24/2006	<b>4-Aug</b>	10/3/2006	9/18/2006	9/3/2006
32	7/25/2006	7/31/2006	<b>11-Aug</b>	10/10/2006	9/25/2006	9/10/2006
33	8/1/2006	8/7/2006	<b>18-Aug</b>	10/17/2006	10/2/2006	9/17/2006
34	8/8/2006	8/14/2006	<b>25-Aug</b>	10/24/2006	10/9/2006	9/24/2006
35	8/15/2006	8/21/2006	<b>1-Sep</b>	10/31/2006	10/16/2006	10/1/2006
36	8/22/2006	8/28/2006	<b>8-Sep</b>	11/7/2006	10/23/2006	10/8/2006
37	8/29/2006	9/4/2006	<b>15-Sep</b>	11/14/2006	10/30/2006	10/15/2006
38	9/5/2006	9/11/2006	<b>22-Sep</b>	11/21/2006	11/6/2006	10/22/2006
39	9/12/2006	9/18/2006	<b>29-Sep</b>	11/28/2006	11/13/2006	10/29/2006
40	9/19/2006	9/25/2006	<b>6-Oct</b>	12/5/2006	11/20/2006	11/5/2006
41	9/26/2006	10/2/2006	<b>13-Oct</b>	12/12/2006	11/27/2006	11/12/2006
42	10/3/2006	10/9/2006	<b>20-Oct</b>	12/19/2006	12/4/2006	11/19/2006
43	10/10/2006	10/16/2006	<b>27-Oct</b>	12/26/2006	12/11/2006	11/26/2006
44	10/17/2006	10/23/2006	<b>3-Nov</b>	1/2/2007	12/18/2006	12/3/2006
45	10/24/2006	10/30/2006	<b>10-Nov</b>	1/9/2007	12/25/2006	12/10/2006
46	10/31/2006	11/6/2006	<b>17-Nov</b>	1/16/2007	1/1/2007	12/17/2006
47	11/7/2006	11/13/2006	<b>24-Nov</b>	1/23/2007	1/8/2007	12/24/2006
48	11/14/2006	11/20/2006	<b>1-Dec</b>	1/30/2007	1/15/2007	12/31/2006
49	11/21/2006	11/27/2006	<b>8-Dec</b>	2/6/2007	1/22/2007	1/7/2007
50	11/28/2006	12/4/2006	<b>15-Dec</b>	2/13/2007	1/29/2007	1/14/2007
51	12/5/2006	12/11/2006	<b>22-Dec</b>	2/20/2007	2/5/2007	1/21/2007
52	12/12/2006	12/18/2006	<b>28-Dec</b>	2/27/2007	2/12/2007	1/28/2007
1	12/19/2006	12/25/2006	<b>5-Jan</b>	3/6/2007	2/19/2007	2/4/2007
2	12/26/2006	1/1/2007	<b>12-Jan</b>	3/13/2007	2/26/2007	2/11/2007

**Direct inquiries to the Procedures and Standards Administration Department,  
Mary Weldon at: 212-642-4908 E-mail: [mweldon@ansi.org](mailto:mweldon@ansi.org)**

Changes to BSR/OEOSC OP1.002

**3.5.1 Number of Maximum Size Digs.** The number of maximum size dings allowed shall be ~~less than~~ equal to the element diameter in millimeters divided by 20 mm, rounding up to the next whole number.

$$N = \frac{\phi}{20} \text{ rounding up,}$$

where  $N$  is the number of maximum size dings allowed,  
 $\phi$  is the element diameter in mm

**3.5.2 Allowable Dig Total.** The sum of all the dig diameters on a single surface shall not exceed twice the product of the maximum size dig specified and the number of maximum sized dings allowed per paragraph 3.5.1. Dings with diameters less than 2.5 micrometers shall be ignored.

$$\sum_i d_i \leq 2 \times N \times D$$

where  $N$  is the number of maximum size dings allowed,  
 $D$  is the dig diameter of the maximum dig allowed,  
 $d_i$  is the dig number of dig  $i$ .

**3.5.3 Concentration of Dings.** ~~In~~ For any 20 mm diameter area anywhere within the clear aperture the sum of the diameters of all dings shall not exceed twice the diameter of the maximum dig specified.

$$\sum_i d_i \leq 2 \times D ,$$

where  $D$  is the dig diameter of the maximum dig specified ~~allowed~~,  
 $d_i$  is the ~~diameter~~ dig number of dig  $i$ .

Dings less than 2.5 micrometers shall be ignored. On surfaces with ~~having~~ dig size limits ~~specifications~~ less than or equal to 10, the dings shall be separated, edge to edge by at least 1 mm.

**3.5.4 Coating Imperfections.** Coating spatter, voids, and other point defects not removable by cleaning shall be considered to be dings and shall not exceed the allowable tolerance limits on dig size and quantity stated on the component drawing or procurement document. These coating imperfections shall be considered separate from the substrate imperfections.

### 3.6 Edge Imperfections

**3.6.1 Edge Chips.** Edge chips are allowable, provided they meet the following conditions and limitations:

3.6.1.1 They do not intrude into the clear aperture.

3.6.1.2 They do not interfere with sealing the element into the mount.

3.6.1.3 All chips larger than 0.5 mm shall be stoned to an acceptable surface.

3.6.1.4 The sum of the chip widths larger than 0.5 mm, measured at the edge of the element shall not exceed 30% of the perimeter of the element.

## **UL 458, Power Converters/Inverters and Power Converter/Inverter Systems for Land Vehicles and Marine Crafts**

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 definition for "unit" and replacement of the terms converter, inverter, converter system, or inverter system as appropriate throughout the Standard.**

### **PROPOSAL**

12 Low-Voltage Input and/or Output Connections and Wiring

- 3. Revision of requirements to require a distribution panelboard when two to five circuits are provided.**

### **PROPOSALS**

1.1 These requirements cover fixed and stationary power converters, power-converter systems, and accessories having a rated nominal input of 120, 120/240, or 240 volts, alternating current and a nominal output of 2448 volts or less, direct current. These converters are intended for use within land vehicles where not directly exposed to outdoor conditions, and are intended to be employed in accordance with the National Electrical Code, NFPA 70.

1.5 Power-inverters covered by Part I of this standard are intended for connection to a 12-, or 24-, 36-, or ~~48-~~ volt dc battery supply.

1.6 Power-converter systems and power-inverter systems covered by Part II of this standard are intended for direct connection to a power-supply assembly and incorporate means for the connection of a maximum of three line-voltage branch circuits only, not including the main disconnect. Power converter systems and power inverter systems also employ circuitry as described in 1.4, and 1.5, ~~or 1.5~~.

1.7 Power-converter systems and power-inverter systems incorporating provisions for the connection of more than three line-voltage branch circuits shall also comply with the applicable requirements for a Class CTL panelboard in the Standard for Panelboards, UL 67.

1.10 A ~~unit power-converter or power-inverter system~~ unit power-converter or power-inverter system for connection of less than three line-voltage branch circuits may optionally be evaluated in accordance with the requirements in Part II of this standard, along with the applicable requirements for a Class CTL panelboard in the Standard for Panelboards, UL 67.

57.24 A unit in compliance with the requirements for a Class CTL panelboard in the Standard for Panelboards, UL 67, shall be marked "Distribution Panelboard" or the equivalent.

- 4. Deletion of the proposed 20.1.3 to protect protective devices, such as circuit breakers, against shorting and physical damage by a cover or equivalent means.**

### **PROPOSAL**

~~20.1.3 With reference to 20.1.1, protective devices connected in secondary circuits shall be protected against shorting and physical damage by a cover or equivalent means.~~