

# **STANDARDS ACTION**

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## American National Standards

### Call for comment on proposals listed

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

★ Standard for consumer products

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

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

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

# Comment Deadline: July 1, 2002

## ASA (Acoustical Society of America)

### New National Adoptions

BSR S12.50-200x, Acoustics - Determination of sound power levels of noise sources - Guidelines for the use of basic standards (new national adoption)

Gives guidance for the use of a series of nine International Standards describing various methods for determining the sound power levels from all types of machinery and equipment.

Single copy price: \$120.00

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

Order from: Susan Blaeser, ASA (ASC S12); [sblaeser@aip.org](mailto:sblaeser@aip.org)

Send comments (with copy to BSR) to: Same

BSR S12.51-200x, Acoustics - Determination of sound power levels of noise sources using sound pressure - Precision methods for reverberation rooms (new national adoption)

Specifies a direct method and a comparison method for determining the sound power level that would be produced by a source operating in an environment at standard meteorological conditions corresponding to a characteristic impedance of  $p_c = 400 \text{ N s/m}^3$  (where  $p$  is the density of air and  $c$  is the speed of sound).

Single copy price: \$120.00

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

Order from: Susan Blaeser, ASA (ASC S12); [sblaeser@aip.org](mailto:sblaeser@aip.org)

Send comments (with copy to BSR) to: Same

BSR S12.57-200x, Acoustics - Determination of sound power levels of noise sources using sound pressure - Comparison method in situ (new national adoption)

Specifies a method for determining the sound power levels of sound sources in situ, especially if non-movable. A comparison method is used and all measurements are carried out in octave bands. The measurement uncertainty depends on the test environment. The measurement uncertainty is evaluated by comparing with an indicator describing the spatial sound distribution. The accuracy will either be that of an engineering method or a survey method.

Single copy price: \$120.00

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

Order from: Susan Blaeser, ASA (ASC S12); [sblaeser@aip.org](mailto:sblaeser@aip.org)

Send comments (with copy to BSR) to: Same

## ASME (American Society of Mechanical Engineers)

### Revisions

BSR/ASME A112.3.1-200x, Stainless Steel Drainage Systems for Sanitary, Storm and Chemical Application, Above and In-Ground (revision of ANSI/ASME A112.3.1-1993)

Establishes material, mechanical, and physical (including marking) requirements for socket-type, seam-welded, stainless steel pipe, fittings, joints, and drains for use in plumbing sanitary and storm, drain, waste and vent (DWV), and chemical waste systems. It includes a testing regime and related performance criteria to assure compliance with this Standard.

Single copy price: \$10.00

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

Order from: Silvana Rodriguez-Bhatti, ASME; [rodriguez@asme.org](mailto:rodriguez@asme.org)

Send comments (with copy to BSR) to: Calvin Gomez, ASME; [gomez@asme.org](mailto:gomez@asme.org)

## ATIS (Alliance for Telecommunications Industry Solutions)

### Supplements

BSR T1.111a-200x, Numbering of Signalling Point Codes (supplement to ANSI T1.111-2000)

Describes the numbering scheme of signalling point codes for ANSI Common Signalling (CCS) System Number 7 (SS7) networks.

Single copy price: \$58.00 Electronic File; \$68.00 Paper Copy, 1 Free Download Available

Obtain an electronic copy from: <ftp://ftp.t1.org/pub/ansi/bsr8/lb1067.pdf>

Order from: Jacqueline Brown-Ervin

Send comments (with copy to BSR) to: Susan Carioti, ATIS (ASC T1); [scarioti@atis.org](mailto:scarioti@atis.org)

### Reaffirmations

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

Describes and specifies the minimum synchronization-related performance parameters for SONET network interfaces. These specifications apply to all electrical and optical SONET network interfaces as defined in ANSI T1.105, whereas ANSI T1.101 applies only to network interfaces for carrying synchronization between carriers.

Single copy price: \$108.00 Electronic File; \$123.00 Paper Copy, 1 Free Download Available

Obtain an electronic copy from: <ftp://ftp.t1.org/pub/ansi/bsr8/reaffirm.txt>

Order from: ATIS Document Center

Send comments (with copy to BSR) to: Susan Carioti, ATIS (ASC T1); [scarioti@atis.org](mailto:scarioti@atis.org)

BSR T1.608-1991 (R200x), Integrated Services Digital Network (ISDN) - Signaling Specification for X.25 Packet-Switched Bearer Service for Digital Subscriber Signaling System Number 1 (DSS1) (reaffirmation of ANSI T1.608-1991 (R1997))

Presents the procedures at the S, T, or U reference point for B-channel, and D-channel access connection on basic rate interfaces and primary rate interfaces to a Packet-Handling (PH) function within the Integrated Services Digital Network (ISDN) to support ISDN virtual circuit service. Procedures at the S, T, or U reference point for B-channel access to a Packet-Switched Public Data Network (PSPDN) are also specified.

Single copy price: \$251.00 Electronic File; \$272.00 Paper Copy, 1 Free Download Available

Obtain an electronic copy from: <ftp://ftp.t1.org/pub/ansi/bsr8/reaffirm.txt>

Order from: ATIS Document Center

Send comments (with copy to BSR) to: Susan Carioti, ATIS (ASC T1); [scarioti@atis.org](mailto:scarioti@atis.org)

BSR T1.608a-1992 (R200x), Integrated Services Digital Network (ISDN) - Signaling Specification for X.25 Packet-Switched Bearer Service for Digital Subscriber Signaling System Number 1 (DSS1) (Terminal Initialization Procedures for Packet-Mode Data) (reaffirmation of ANSI T1.608a-1992 (R1997))

This is a Supplement to ANSI T1.608-1991.

Single copy price: \$43.00 Electronic File; \$53.00 Paper Copy, 1 Free Download Available

Obtain an electronic copy from: <ftp://ftp.t1.org/pub/ansi/bsr8/reaffirm.txt>

Order from: ATIS Document Center

Send comments (with copy to BSR) to: Susan Carioti, ATIS (ASC T1); [scarioti@atis.org](mailto:scarioti@atis.org)

BSR T1.613-1991 (R200x), Integrated Services Digital Network (ISDN) - Call Waiting Supplementary Service (reaffirmation of ANSI T1.613-1991 (R1997))

One of a series that defines and describes supplementary services within the context of an Integrated Services Digital Network (ISDN). The interaction of this service with other ISDN services is also included. The purpose of the standard is to allow maximum compatibility among network- and user- owned telecommunication equipment in order to increase the attractiveness and usefulness of ISDN-based capabilities.

Single copy price: \$108.00 Electronic File; \$123.00 Paper Copy, 1 Free Download Available

Obtain an electronic copy from: <ftp://ftp.t1.org/pub/ansi/bsr8/reaffirm.txt>

Order from: ATIS Document Center

Send comments (with copy to BSR) to: Susan Carioti, ATIS (ASC T1); [scarioti@atis.org](mailto:scarioti@atis.org)

BSR T1.614-1991 (R200x), Integrated Services Digital Network (ISDN) - Packet Mode Bearer Service Category Description (reaffirmation of ANSI T1.614-1991 (R1997))

Defines a recommended set of packet mode bearer service categories, describes individual packet mode bearer services, and recommends their provision as ISDN-based services in North America. The definitions and descriptions in this standard form the basis for defining the network capabilities required for the support of ISDN-based packet mode bearer services.

Single copy price: \$58.00 Electronic File; \$68.00 Paper Copy, 1 Free Download Available

Obtain an electronic copy from: <ftp://ftp.t1.org/pub/ansi/bsr8/reaffirm.txt>

Order from: ATIS Document Center

Send comments (with copy to BSR) to: Susan Carioti, ATIS (ASC T1); [scarioti@atis.org](mailto:scarioti@atis.org)

BSR T1.620-1991 (R200x), Integrated Services Digital Network (ISDN) - Circuit-Mode Bearer Service Category Description (reaffirmation of ANSI T1.620-1991 (R1997))

Explains the ISDN Circuit-Mode Bearer Services from the user's perspective. It covers on-demand circuit-mode 64-kbit/s services and on demand H0, H10, and H11 channels. This standard is based on the CCITT Recommendations I.220, I.230, and I.231 and applies to both ISDN Basic Rate Access and ISDN Primary Rate Access. It provides the service user with a description of what these services provide as well as possible options.

Single copy price: \$96.00 Electronic File; \$111.00 Paper Copy, 1 Free Download Available

Obtain an electronic copy from: <ftp://ftp.t1.org/pub/ansi/bsr8/reaffirm.txt>

Order from: ATIS Document Center

Send comments (with copy to BSR) to: Susan Carioti, ATIS (ASC T1); [scarioti@atis.org](mailto:scarioti@atis.org)

### **Withdrawals**

ANSI T1.606a-1992 (R1997), Integrated Services Digital Network (ISDN) - Architectural Framework and Service Description for Frame-Relaying Bearer Service (Congestion Management and Frame Size) (withdrawal of ANSI T1.606a-1992 (R1997))

Describes the congestion management strategy in the U-plane for frame relay bearer services. It covers both network and end-user mechanisms and responsibilities to avoid or recover from periods of congestion. This supplement does not address C-plane procedures at the user-network interface. Procedures, objectives, and requirements for C-plane congestion management between networks are for further study.

Single copy price: \$58.00 Electronic File; \$68.00 Paper Copy, 1 Free Download Available

Obtain an electronic copy from:

<ftp://ftp.t1.org/pub/ansi/BSR8/WITHDRAW.TXT>

Order from: ATIS Document Center

Send comments (with copy to BSR) to: Susan Carioti, ATIS (ASC T1); [scarioti@atis.org](mailto:scarioti@atis.org)

## **IPC (IPC - Association Connecting Electronics Industries)**

### **New Standards**

BSR/IPC 4412-200x, Specification for Finished Fabric Woven from "E" Glass for Printed Boards (new standard)

Covers finished fabrics woven from "E" glass electrical grade glass fiber yarns that are intended as a reinforcing material in laminated plastics for electrical and electronic use. All fabrics covered by this specification are plain weave.

Single copy price: Free

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

Order from: Rhoda Butchin, IPC; [Butcrh@ipc.org](mailto:Butcrh@ipc.org)

Send comments (with copy to BSR) to: Same

BSR/IPC J-STD-033A-200x, Handling, Packing, Shipping and Use of Moisture/Reflow Sensitive Surface Mount Devices (new standard)

Provides surface mount devices manufacturers and users with standardized methods for handling, packing, shipping, and use of moisture/reflow sensitive SMDs. These methods help avoid damage from moisture absorption and exposure to solder reflow temperatures that can result in yield and reliability degradation. Joint Standard with EIA/JEDC.

Single copy price: Free

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

Order from: Rhoda Butchin, IPC; [Butcrh@ipc.org](mailto:Butcrh@ipc.org)

Send comments (with copy to BSR) to: Same

### **Revisions**

BSR J-STD-020B-200x, Moisture/Reflow Sensitivity Classification for Non-Hermetic Solid State Surface Mount Devices (revision and redesignation of ANSI J-STD-020-1997)

Identifies the classification level of non-hermetic solid-state surface mount devices that are sensitive to moisture-induced stress. These devices can be properly packaged, stored, and handled to avoid subsequent thermal/mechanical damage during solder reflow attachment and/or repair operations. This standard is used to determine what classification level should be used for initial reliability qualifications. Joint Standard with EIA/JEDEC.

Single copy price: Free

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

Order from: Rhoda Butchin, IPC; [Butcrh@ipc.org](mailto:Butcrh@ipc.org)

Send comments (with copy to BSR) to: Same

BSR/IPC 4101A-Amendment 1-200x, Specification for Base Materials for Rigid and Multi-layer Printed Boards (Amendment 1) (revision and redesignation of ANSI/IPC 4101A-2002)

To correct the values of the Permittivity and Lost Tangent properties for Specification Sheet IPC-4101/26.

Single copy price: Free

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

Order from: Rhoda Butchin, IPC; [Butcrh@ipc.org](mailto:Butcrh@ipc.org)

Send comments (with copy to BSR) to: Same

BSR/IPC/EIA J-STD-002B-200x, Solderability Tests for Component Leads, Terminals, Lugs, Terminals and Wires. (revision and redesignation of ANSI/IPC/EIA J-STD-002A-1999)

Prescribes test methods, defect definitions, acceptance criteria, and illustrations for assessing the solderability of electronic components, leads, terminations, solid wire, stranded wire, lugs, and tabs. This standard is intended for use by both vender and user.

Single copy price: Free

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

Order from: Rhoda Butchin, IPC; [Butcrh@ipc.org](mailto:Butcrh@ipc.org)

Send comments (with copy to BSR) to: Same

## ITI (INCITS)

### New Standards

BSR INCITS 362-200x, Information Technology - SCSI Parallel Interface-4 (SPI-4) (new standard)

Defines the mechanical, electrical, timing, and protocol requirements of the SCSI parallel interface to allow conforming SCSI devices to inter-operate. The SCSI parallel interface is a local I/O bus that may be operated over a wide range of transfer rates.

Single copy price: \$18.00 (Electronic)

Obtain an electronic copy from:

[http://www.techstreet.com/cgi-bin/detail?product\\_id=930716](http://www.techstreet.com/cgi-bin/detail?product_id=930716)

Order from: Techstreet; [service@techstreet.com](mailto:service@techstreet.com)

Send comments (with copy to BSR) to: Deborah J. Donovan, ITI (NCITS); [ddonovan@itic.org](mailto:ddonovan@itic.org)

## NEMA (National Electrical Manufacturers Association)

### Revisions

BSR/NEMA WD 6-200x, Wiring Devices - Dimensional Specifications (revision of ANSI/NEMA WD 6-1997)

Covers dimensional requirements for plugs and receptacles rated up to 60 ampere and 600 volts. They also include dimensions for wallplates.

Single copy price: \$65.00 USD Hardcopy / \$95.00 USD CDROM

Obtain an electronic copy from: <http://www.nema.org/wd6standard>

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

Send comments (with copy to BSR) to: Harvey Gannon, NEMA (Canvass); [har\\_gannon@nema.org](mailto:har_gannon@nema.org)

## NPES (Association for Suppliers of Printing and Publishing Technologies)

### New Standards

BSR CGATS.20-200x, Graphic technology - Variable printing data exchange using PPML and PDF (PPML/VDX) (new standard)

Specifies the methods for the use of the Personalized Print Markup Language (PPML) and the Portable Document Format (PDF) for the exchange or identification of all elements necessary to render a variable data imaging job as intended by the sender. This standard specifies document layout and content data and makes provision for product intent specifications using the Job Definition Format (e.g., paper selection, binding, finishing, etc.).

Single copy price: Free

Obtain an electronic copy from:

[http://www.npes.org/standards/CGATSSC6TF2N134\\_PPMLVDX-WD14-Apr02.pdf](http://www.npes.org/standards/CGATSSC6TF2N134_PPMLVDX-WD14-Apr02.pdf)

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

Send comments (with copy to BSR) to: Same

## SCTE (Society of Cable Telecommunications Engineers)

### New Standards

BSR/SCTE 38-5-2002, Hybrid Fiber/Coax Outside Plant Status Monitoring SCTE-HMS-FIBERNODE-MIB Management Information Base (new standard)

HMS 025: Intended for use on all fiber node equipment, includes the US strand mount or outside plant fiber nodes, and some pedestal models. It does not apply to the pedestal racks used in the European cable networks

Single copy price: Free

Obtain an electronic copy from:

<http://www.scte.org/standards/standardsavailable.html>

Order from: Stephen Oksala, SCTE; [soksala@scte.org](mailto:soksala@scte.org)

Send comments (with copy to BSR) to: [standards@scte.org](mailto:standards@scte.org)

BSR/SCTE 55-1-2002, Digital Broadband Delivery System: Out of Band Transport Part 1: Mode A (new standard)

DVS 178: Specification of the Data Link Layer and Physical Layer of the Out-of Band cable system transport

Single copy price: Free

Obtain an electronic copy from:

<http://www.scte.org/standards/standardsavailable.html>

Order from: Stephen Oksala, SCTE; [soksala@scte.org](mailto:soksala@scte.org)

Send comments (with copy to BSR) to: [standards@scte.org](mailto:standards@scte.org)

BSR/SCTE 55-2-2002, Digital Broadband Delivery System: Out of Band Transport Part 2: Mode B (new standard)

DVS 167: Specification of Quadrature Phase-Shift Key (QPSK) out-of-band channels based on DAVIC

Single copy price: Free

Obtain an electronic copy from:

<http://www.scte.org/standards/standardsavailable.html>

Order from: Stephen Oksala, SCTE; [soksala@scte.org](mailto:soksala@scte.org)

Send comments (with copy to BSR) to: [standards@scte.org](mailto:standards@scte.org)

## TIA (Telecommunications Industry Association)

### New Standards

BSR/TIA/EIA 604-15-200x, FOCIS 15 - Fiber Optic Connector Intermateability Standard - Type MF (new standard)

(SP-3-4931) Presents the intermateability standard for connectors with the commercial designation MF, and is used as an addendum to TIA/EIA-604.

Single copy price: \$53.00

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

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

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

BSR/TIA/EIA 604-16-200x, FOCIS 16 - Fiber Optic Connector Intermateability Standard - Type LSH (new standard)

(SP-3-4932) Presents the intermateability standard for simplex and duplex connectors with the commercial designation LSH.

Single copy price: \$47.00

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

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

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

BSR/TIA/EIA 876-200x, North American Network Access Transmission Model for Evaluating xDSL Modem Performance (new standard)

(SP-3-4254) Defines the North American network access transmission model to be used in evaluating performance of DSL modems.

Single copy price: \$165.00

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

Order from: Global Engineering Documents, (800) 854-7179; [www.global.ihs.com](http://www.global.ihs.com)

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

## UL (Underwriters Laboratories, Inc.)

### Revisions

BSR/UL 921-200X, Standard for Safety for Commercial Dishwashers (revision of ANSI/UL 921-1995)

Covers commercial, freestanding, under-counter, and counter-insert dishwashers, utensil-washers, and glass washers using water as the principal cleaning medium, hereafter referred to as dishwashers. These dishwashers utilize steam, gas, or electric heaters for heating the 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: Mitchell Gold, UL-IL; [Mitchell.Gold@us.ul.com](mailto:Mitchell.Gold@us.ul.com)

BSR/UL 60065-200x, Audio, Video and Similar Electronic Apparatus - Safety Requirements (revision and redesignation of ANSI/UL 6500-1998)

Applies to electronic apparatus designed to be fed from the mains, a supply apparatus, batteries or remote power feeding and intended for reception, generation, recording or reproduction respectively of audio, video and associated signals. It applies to apparatus designed to be used exclusively in combination with the apparatus noted above. This standard primarily concerns apparatus intended for household and similar general use but may also be used in places of public assembly.

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-CA; [Linda.L.Phinney@us.ul.com](mailto:Linda.L.Phinney@us.ul.com)

## Comment Deadline: July 16, 2002

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

### ACCA (Air Conditioning Contractors of America)

#### *New Standards*

BSR/ACCA Man D 1-200x, Residential Duct Design (new standard)

Technical manual outlining the proper methods and procedures for the design of residential HVAC duct systems.

Single copy price: \$26.00 ACCA Member, \$44.00 Non-member

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

Order from: ACCA: 888-290-2220

Send comments (with copy to BSR) to: Dick Shaw, ACCA; [shawddd@aol.com](mailto:shawddd@aol.com)

### ASME (American Society of Mechanical Engineers)

#### *Revisions*

BSR/ASME B29.24M-1995, Roller Load Chains for Overhead Hoists (revision of ANSI/ASME B29.24M-1995)

Covers specialized roller chains that are designed specifically as load chains for use in overhead hoists.

Single copy price: \$10.00

Order from: Silvana Rodriguez-Bhatti, ASME; [rodriguez@asme.org](mailto:rodriguez@asme.org)

Send comments (with copy to BSR) to: Mavic Lo, ASME; [lom@asme.org](mailto:lom@asme.org)

### ASSE (American Society of Safety Engineers)

#### *New Standards*

BSR/ASSE Z590.2-200x, Scope and Functions of the Professional Safety Position (new standard)

Establishes the scope and functions of the professional safety position to consolidate in a clear and consistent manner an objective assessment of the position.

Single copy price: \$5.63

Order from: ASSE, Attn: Customer Service: (847) 699-2929; Request Item #3381

Send comments (with copy to BSR) to: Thomas Bresnahan, ASSE (Z590); [tbresnahan@ASSE.ORG](mailto:tbresnahan@ASSE.ORG)

BSR/ASSE Z590.4-200x, Basic Format for Preparation for Résumés of Individuals Practicing in the Safety Profession (new standard)

Sets forth the elements of résumés, necessary to reflect adequately the credentials of individuals practicing in the safety profession.

Single copy price: \$3.67

Order from: ASSE, Attn: Customer Service: (847) 699-2929, Request Item #3382

Send comments (with copy to BSR) to: Thomas Bresnahan, ASSE (Z590); [tbresnahan@ASSE.ORG](mailto:tbresnahan@ASSE.ORG)

### EIA (Electronic Industries Alliance)

#### *New Standards*

BSR/EIA 4899-200x, Preparing an Electronic Components Management Plan (new standard)

(SP-4899) Defines the requirements for developing an Electronic Components Management Plan to assure customers and regulatory agencies that all of the electronic components in the equipment of the plan owner are selected and applied in controlled processes and that the Technical Requirements are accomplished.

Single copy price: \$53.00

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

Send comments (with copy to BSR) to: Philip Cotton, EIA; [Phlc@eia.org](mailto:Phlc@eia.org)

## Projects Withdrawn from Consideration

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

### UL (Underwriters Laboratories, Inc.)

BSR/UL 910-199x, Test Method for Fire and Smoke Characteristics of Electrical and Optical-Fiber Cables Used in Air Handling Spaces (revision of ANSI/UL 910-1994)

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

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

ANSI/CGA E-7-1992, Medical Gas Regulators and Flowmeters

## ASTM F11 Committee Standards

In the March 29, 2002 issue of Standards Action, an announcement of the intent to withdraw the standards sponsored by a number of ASTM Committees was made. ASTM F11, Vacuum Cleaners, was included as part of that list. ASTM F11 has decided that they will not withdraw their standards as American National Standards. Thus, those presently approved will not be withdrawn. For additional information, please contact Faith Lanzetta, ASTM, [flanzett@astm.org](mailto:flanzett@astm.org).

# 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:

### **ACCA**

Air Conditioning Contractors of America  
2800 Shirlington Road Suite 300  
Arlington, VA 22206  
Phone: (231) 854-1488  
Fax: (231) 854-1488  
Web: [www.acca.org](http://www.acca.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)

### **ASME**

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

### **ASSE (Z590)**

American Society of Safety Engineers  
1800 East Oakton Street  
Des Plaines, IL 60018-2187  
Phone: (847) 768-3042  
Fax: (847) 296-9221  
Web: [www.asse.org](http://www.asse.org)

### **ATIS (ASC T1)**

Alliance for Telecommunications Industry Solutions  
1200 G Street NW, Suite 500  
Washington, DC 20005  
Phone: (202) 434-8839  
Fax: (202) 347-7125  
Web: [www.atis.org](http://www.atis.org)

### **comm2000**

1414 Brook Drive  
Downers Grove, IL 60515  
Phone: 888-853-3503 U.S. & Canada; 415-352-2168 Outside U.S. & Canada  
Fax: 888-853-3512 U.S. & Canada; 630-932-7381 Outside U.S. & Canada  
Web: [www.comm-2000.com](http://www.comm-2000.com)

### **Global Engineering Documents**

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Englewood, CO 80112-5704  
Phone: (800) 854-7179  
Fax: (303) 379-2740  
Web: [www.global.ihs.com](http://www.global.ihs.com)

### **IPC**

IPC - Association Connecting Electronics Industries  
2215 Sanders Road  
Northbrook, IL 60062-6135  
Phone: (847) 790-5326  
Fax: (847) 509-9798  
Web: [www.ipc.org](http://www.ipc.org)

### **NPES (ASC B65)**

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

### **SCTE**

Society of Cable Telecommunications Engineers  
140 Phillips Road  
Exton, PA 19341  
Phone: (610) 524-1725 ext. 204  
Fax: (610) 363-5898  
Web: [www.scte.org](http://www.scte.org)

### **Techstreet**

Historic Northern Brewery Building  
327 Jones Drive  
Ann Arbor, MI 48105  
Phone: (800) 699-9277  
Fax: (734) 302-7811

## Send comments to:

### **ACCA**

Air Conditioning Contractors of America  
2800 Shirlington Road Suite 300  
Arlington, VA 22206  
Phone: (231) 854-1488  
Fax: (231) 854-1488  
Web: www.acca.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

### **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

### **ASSE (Z590)**

American Society of Safety Engineers  
1800 East Oakton Street  
Des Plaines, IL 60018-2187  
Phone: (847) 768-3042  
Fax: (847) 296-9221  
Web: www.asse.org

### **ATIS (ASC T1)**

Alliance for Telecommunications Industry Solutions  
1200 G Street NW, Suite 500  
Washington, DC 20005  
Phone: (202) 434-8839  
Fax: (202) 347-7125  
Web: www.atis.org

### **EIA**

Electronic Industries Alliance  
2500 Wilson Blvd. Suite 400  
Arlington, VA 22201  
Phone: (703) 907-7553  
Fax: (703) 907-7501  
Web: www.eia.org

### **IPC**

IPC - Association Connecting Electronics Industries  
2215 Sanders Road  
Northbrook, IL 60062-6135  
Phone: (847) 790-5326  
Fax: (847) 509-9798  
Web: www.ipc.org

### **ITI (INCITS)**

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

### **NEMA (Canvass)**

National Electrical Manufacturers Association  
1300 North 17th Street, Suite 1847  
Rosslyn, VA 22209  
Phone: (703) 841-3276  
  
Fax: (703) 841-3376  
Web: www.nema.org

### **NPES (ASC B65)**

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

### **SCTE**

Society of Cable Telecommunications Engineers  
140 Phillips Road  
Exton, PA 19341  
Phone: (610) 524-1725 ext. 204  
Fax: (610) 363-5898  
Web: www.scte.org

### **TIA**

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

### **UL-CA**

Underwriters Laboratories, Inc.  
1655 Scott Boulevard  
Santa Clara, CA 95050  
Phone: (408) 985-2400, Ext. 32688  
Fax: (408) 556-6153

### **UL-IL**

Underwriters Laboratories, Inc.  
333 Pfingsten Road  
Northbrook, IL 60004  
Phone: (847) 272-8800, ext. 42850  
Fax: (847) 509-6217

# 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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## **AAMVA (American Association of Motor Vehicle Administrators)**

**Office:** 4301 Wilson Boulevard, Suite 400  
Arlington, VA 22203

*Contact:* Nathan Root

**Phone:** (703) 908-5843

**Fax:** (703) 522-2413

**E-mail:** Nroot@aamva.org

BSR D20-200x, Data Element Dictionary for Traffic Record Systems  
(revision of ANSI D20-1998)



# 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 EC13-2002, Cardiac Monitors, Heart Rate Meters, and Alarms (revision of ANSI/AAMI EC13-1992): 5/6/2002

## ANS (American Nuclear Society)

### New Standards

ANSI/ANS 2.23-2002, Nuclear Plant Response to an Earthquake (new standard): 5/6/2002

## API (American Petroleum Institute)

### New Standards

ANSI/API 580-2002, Risk-Based Inspection (new standard): 5/6/2002

## ASME (American Society of Mechanical Engineers)

### Revisions

ANSI/ASME B89.1.6M-2002, Measurement of Plain External Diameters for Use as Master Discs or Cylindrical Plug Gages (revision of ANSI/ASME B89.1.6M-1984 (R1997)): 5/6/2002

## ASTM (ASTM International)

### New Standards

ANSI/ASTM D6784-2002, Test Method for Elemental, Oxidized, Particle-Bound, and Total Mercury in Flue Gas Generated from Coal-Fired Stationary Sources (Ontario Hydro Method) (new standard): 5/10/2002

ANSI/ASTM D6785-2002, Test Method for Determination of Lead in Workplace Air Using Flame or Graphite Furnace Atomic Absorption Spectrometry (new standard): 5/10/2002

ANSI/ASTM D6803-200x, Practice for Testing and Sampling of Volatile Organic Compounds (including Carbonyl Compounds) Emitted from Paint Using Small Environmental Chambers (new standard): 5/10/2002

ANSI/ASTM E2203-2002, Specification for Dense Thermoplastic Elastomers Used for Compression Seals, Gaskets, Setting Blocks, Spacers and Accessories (new standard): 5/10/2002

ANSI/ASTM E2204-2002, Guide for Summarizing the Economic Impacts of Building-Realted Projects (new standard): 5/10/2002

### Reaffirmations

ANSI/ASTM D3172-2001 (R2002), Practice for Proximate Analysis of Coal and Coke (reaffirmation of ANSI/ASTM D3172-01): 4/10/2002

ANSI/ASTM D3176-2001 (R2002), Practice for Ultimate Analysis of Coal and Coke (reaffirmation of ANSI/ASTM D3176-01): 4/10/2002

ANSI/ASTM D3614-1997 (R2002), Guide for Laboratories Engaged in Sampling and Analysis of Atmospheres and Emissions (reaffirmation of ANSI/ASTM D3614-1997): 5/10/2002

ANSI/ASTM D5932-1996 (R2002), Test Method for Determination of 2,4-Toluene Diisocyanate (2,4-TDI) and 2,6-Toluene Diisocyanate (2,6-TDI) in Air (With 9-(N-Methylaminomethyl) Anthracene Method)(MAMA) in the Workplace) (reaffirmation of ANSI/ASTM D5932-1996): 5/10/2002

ANSI/ASTM D5952-1996 (R2002), Guide for Inspecting Water Systems for Legionellae and Investigating Possible Outbreaks of Legionellosis Legionnaires Disease or Pontiac Fever (reaffirmation of ANSI/ASTM D5952-1996): 5/10/2002

ANSI/ASTM E73-1983 (R2002), Practice for Static Load Testing of Truss Assemblies (reaffirmation of ANSI/ASTM E73-1983 (R1996)): 5/10/2002

ANSI/ASTM E1370-2001 (R2002), Guide for Air Sampling Strategies for Worker and Workplace Protection (reaffirmation of ANSI/ASTM E1370-2001): 5/10/2002

ANSI/ASTM E1494-1992 (R2002), Practice for Encapsulants for Spray-Or-Trowel-Applied Friable Asbestos-Containing Building Materials (reaffirmation of ANSI/ASTM E1494-1992): 5/10/2002

### Revisions

ANSI/ASTM D4726-2002, White Rigid Poly (Vinyl Chloride) Exterior-Profile Extrusions Used for Assembled Windows and Doors, Specification for (08.04) (revision of ANSI/ASTM D4726-2001): 4/10/2002

ANSI/ASTM D4756-2002, Practice for Installation of Rigid Poly (Vinyl Chloride) (PVC) Siding and Soffit (08.04) (revision of ANSI/ASTM D4756-1996): 4/10/2002

ANSI/ASTM D5955-2002, Test Methods for Estimating the Contribution of Environmental Tobacco Smoke to Respirable Suspended Particles Based on UVP and FPM (revision of ANSI/ASTM D5955-1996): 5/10/2002

ANSI/ASTM E833-2002, Terminology of Building Economics (revision of ANSI/ASTM E833-2001A): 5/10/2002

ANSI/ASTM E1557-2002, Classification for Building Elements and Related Sitework --Uniformat II (revision of ANSI/ASTM E1557-2001): 5/10/2002

ANSI/ASTM E1851-2002, Test Method for Electromagnetic Shielding Effectiveness of Durable Rigid Wall Relocatable Structures (revision of ANSI/ASTM E1851-1997): 5/10/2002

ANSI/ASTM E2121-2002, Practice for Installing Radon Mitigation Systems in Existing Low-Rise Residential Buildings (revision of ANSI/ASTM E2121-2001): 5/10/2002

ANSI/ASTM E2126-2002, Test Methods for Cyclic Reversed Load Test for Shear Resistance of Framed Walls for Buildings (revision of ANSI/ASTM E2126-2001): 5/10/2002

### Withdrawals

ANSI/ASTM D4023-82A-1996, Terminology Relating to Humidity Measurements (withdrawal of ANSI/ASTM D4023-82A-1996): 5/10/2002

ANSI/ASTM E1553-1993, Practice for Collection of Airborne Particulate Lead During Abatement and Construction Activities (withdrawal of ANSI/ASTM E1553-1993): 5/10/2002

## IEEE (Institute of Electrical and Electronics Engineers)

### New Standards

ANSI/IEEE 114-2001, Standard Test Procedure for Single-Phase Induction Motors (new standard): 5/2/2002

ANSI/IEEE 356-2001, Guide for Measurements of Electromagnetic Properties of Earth Media (new standard): 5/2/2002

ANSI/IEEE 1425-2001, Guide for the Evaluation of the Remaining Life of Impregnated Paper Insulated Transmission Cable Systems (new standard): 5/2/2002

ANSI/IEEE C62.23-2001, Application Guide for Surge Protection of Electric Generating Plants (new standard): 5/2/2002

#### **Reaffirmations**

ANSI/IEEE 802.1h-1995 (R2001), Recommended Practice for Media Access Control (MAC) Bridging of Ethernet Version 2.0 in IEEE 802 Local Area Networks (reaffirmation of ANSI/IEEE 802.1h-1995): 5/2/2002

ANSI/IEEE 935-1995 (R2001), Terminology for Tools and Equipment to be Used in Live Line Working (reaffirmation of ANSI/IEEE 935-1995): 5/2/2002

ANSI/IEEE 1101.2-1993 (R2001), Mechanical Core Specification for Conduction Cooled Eurocards (reaffirmation of ANSI/IEEE 1101.2-1993): 5/2/2002

ANSI/IEEE 1212.1-1993 (R2001), Communicating Among Processors and Peripherals Using Shared Memory (DMA - Direct Memory Access) (reaffirmation of ANSI/IEEE 1212.1-1993): 5/2/2002

ANSI/IEEE C37.2-1996 (R2001), Electrical Power System Device Function Numbers and Contact Designations (reaffirmation of ANSI/IEEE C37.2-1996): 5/2/2002

ANSI/IEEE C37.112-1996 (R2001), Standard Inverse-Time Characteristic for Overcurrent Relays (reaffirmation of ANSI/IEEE C37.112-1996): 5/2/2002

#### **Revisions**

ANSI/IEEE 1212-2001, Control and Status Registers (CSR) Architecture for Microcomputer Buses (revision of ANSI/IEEE 1212-1994 Edition): 5/2/2002

ANSI/IEEE 1532-2001, Standard for In-System Configuration of Programming Devices (revision of ANSI/IEEE 1532-2000): 5/2/2002

### **ITI (INCITS)**

#### **Reaffirmations**

ANSI X3.11-1990 (R2002), Specification for General Purpose Paper Cards for Information Interchange (reaffirmation of ANSI X3.11-1990 (R1996)): 5/6/2002

ANSI X3.117-1984 (R2002), Printable/Image Areas for Text and Facsimile Communication Equipment (reaffirmation of ANSI X3.117-1984 (R1996)): 5/6/2002

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

#### **New Standards**

ANSI/UL 1699-2002, Standard for Safety for Arc-Fault Circuit-Interrupters (new standard): 2/22/2002

## **Correction**

#### **ANSI/NSF 61**

In Final Actions of the May 10th issue of Standards Action, there was a listing for ANSI/NSF 61-2002 as a revision of ANSI/NSF 61-2000. However, this standard is only a partial revision of the main document. Therefore, the correct designation is ANSI/NSF 61-2000(i26).

# Project Initiation Notification System (PINS)

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

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

## AAMVA (American Association of Motor Vehicle Administrators)

**Office:** 4301 Wilson Boulevard, Suite 400  
Arlington, VA 22203

**Contact:** Nathan Root

**Fax:** (703) 522-2413

**E-mail:** Nroot@aamva.org

BSR D20-200x, Data Element Dictionary for Traffic Record Systems  
(revision of ANSI D20-1998)

## ACCA (Air Conditioning Contractors of America)

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

**Contact:** Dick Shaw

**Fax:** 231 854-1488

**E-mail:** shawddd@aol.com

BSR/ACCA Man J 2-200x, Standard for Residential Load Calculations  
(new standard)

## ATIS (Alliance for Telecommunications Industry Solutions)

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

**Contact:** Steve Barclay

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

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

BSR O5.1a-200x, Wood Poles - Specifications and Dimensions  
(supplement to ANSI O5.1-2002)

BSR T1.105.03-200x, Telecommunications - Synchronous Optical  
Network (SONET) - Jitter at Network Interfaces (revision,  
redesignation and consolidation of ANSI T1.105.03-1994, ANSI  
T1.105.03a-1995 & ANSI T1.105.03b-1997)

BSR T1.105.06-200x, Telecommunications - Synchronous Optical  
Network (SONET): Physical Layer Specifications (revision,  
redesignation and consolidation of ANSI T1.105.06-1996 and ANSI  
T1.117-1991 (R1997))

## ESTA (Entertainment Services and Technology Association)

**Office:** 875 Sixth Avenue, Suite 2302  
New York, NY 10001

**Contact:** Karl Ruling

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

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

BSR E1.21-200x, Temporary Ground-Supported Overhead Structures  
Used To Cover Stage Areas and Support Equipment in the  
Production of Outdoor Entertainment Events (new standard)

## INMM (Institute of Nuclear Materials Management)

**Office:** 109 Caldwell Drive  
Oak Ridge, TN 37830

**Contact:** Joree' O'Neal

**Fax:** (865) 576-6675

**E-mail:** onealj@ornl.gov

BSR N14.34-200x, Human Factors Affecting the Safety of  
Packaging/Transport of Radioactive Materials (new standard)

## MSS (Manufacturers Standardization Society)

**Office:** 127 Park Street, NE

Vienna, VA 22180-4602

**Contact:** Elizabeth Amann

**Fax:** 703 281-6671

**E-mail:** elizabeth.amann@verizon.net

BSR/MSS SP-69-200x, Pipe Hangers and Supports - Selection and  
Application (new standard)

## NAPIM (National Association of Printing Ink Manufacturers)

**Office:** 1899 Preston White Drive  
Reston, VA 22091-4367

**Contact:** Mary Abbott

**Fax:** (703) 620-0994

**E-mail:** mabbott@npes.org

BSR B177.1-200x, Three-Roller Printing Ink Mills - Safety  
Requirements (revision of ANSI B177.1-1997)

## OLA (Optical Laboratories Association)

**Office:** P.O. Box 2000  
Merrifield, VA 22116-2000

**Contact:** Kris Dinkle

**Fax:** (703) 359-2834

**E-mail:** Olalabs@aol.com

BSR Z80.18-200x, Contact Lens Care Products: Vocabulary,  
Performance, Specifications and Test Methodology (new standard)

## SCTE (Society of Cable Telecommunications Engineers)

**Office:** 140 Phillips Road  
Exton, PA 19341

**Contact:** Stephen Oksala

**Fax:** (610) 363-5898

**E-mail:** soksala@scte.org

BSR/SCTE IPS TP 009-200x, Test Method for Coaxial Cable  
Attenuation (new standard)

BSR/SCTE IPS TP 200-200x, Introduction to Product Evaluation Test  
Procedures (new standard)

BSR/SCTE IPS TP 201-200x, Test Method for Insertion Gain and Loss, Frequency Response and Bandwidth (new standard)

BSR/SCTE IPS TP 202-200x, Test Method for Return Loss (new standard)

BSR/SCTE IPS TP 210-200x, Surge Withstand (new standard)

BSR/SCTE IPS TP 219-200x, Test Point Accuracy (new standard)

BSR/SCTE IPS TP 220-200x, Test Method for Low Frequency and Spurious Disturbances (new standard)

BSR/SCTE IPS TP 405-200x, Test Method for DC Contact Resistance and Holding Force of Female F Connectors (new standard)

BSR/SCTE IPS TP 406-200x, Test Method for Salt Spray (new standard)

BSR/SCTE IPS TP 409-200x, Test Procedures for Common Path And Intermodulation Distortion (new standard)

## American National Standards Maintained Under Continuous Maintenance

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

The standard shall be maintained by an accredited standards developer. A documented program for periodic publication of revisions shall be established by the standards developer. Processing of these revisions shall be in accordance with these procedures. The published standard shall include a clear statement of the intent to consider requests for change and information on the submittal of such requests. Procedures shall be established for timely, documented consensus action on each request for change and no portion of the standard shall be excluded from the revision process. In the event that no revisions are issued for a period of four years, action to reaffirm or withdraw the standard shall be taken in accordance with 4.4.1 and 4.4.3.

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

- AAMVA
- AGRSS
- ASC B109 (AGA)
- ASHRAE
- ASME
- ASTM
- NACE
- 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 STANDARDS INFO, and choose "American National Standards Maintained Under Continuous Maintenance". This information is also available directly at [http://web.ansi.org/public/ans\\_main/default.htm](http://web.ansi.org/public/ans_main/default.htm).

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 and IEC Draft International Standards



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

## Comments

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

## Ordering Instructions

**Global Engineering Documents**  
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**fax: (303) 379-7956**  
**e-mail: global@ihs.com**  
**web: http://global.ihs.com**

## ISO Standards

### AIRCRAFT AND SPACE VEHICLES (TC 20)

ISO/DIS 22072, Aerospace - Electrohydrostatic actuator (EHA) - Procurement specifications - 8/17/2002, \$42.00

### BUILDING CONSTRUCTION MACHINERY AND EQUIPMENT (TC 195)

ISO/DIS 16039, Road construction and maintenance equipment - Slipform pavers - Vocabulary and commercial specifications - 8/17/2002, \$60.00

### FINE CERAMICS (TC 206)

ISO/DIS 18756, Fine ceramics (advanced ceramics, advanced technical ceramics) - Determination of fracture toughness of monolithic ceramics at room temperature by the surface crack in flexure (SCF) method - 8/17/2002, \$72.00

ISO/DIS 20501, Fine ceramics (advanced ceramics, advanced technical ceramics) - Weibull statistics of strength data - 8/17/2002, \$72.00

ISO/DIS 20507, Fine ceramics (advanced ceramics, advanced technical ceramics) - Terminology - 8/17/2002, \$68.00

ISO/DIS 20508, Fine ceramics (advanced ceramics, advanced technical ceramics) - Determination of light transmittance of ceramic films with transparent substrate - 8/17/2002, \$30.00

ISO/DIS 20509, Fine ceramics (advanced ceramics, advanced technical ceramics) - Determination of oxidation resistance of non-oxide monolithic ceramics - 8/17/2002, \$46.00

### GAS CYLINDERS (TC 58)

ISO/DIS 16148, Gas cylinders - Refillable seamless gas cylinders - Acoustic emission testing for periodic inspection - 8/3/2002, \$56.00

### LIGHT METALS AND THEIR ALLOYS (TC 79)

ISO/DIS 115, Unalloyed aluminium ingots for remelting - Classification and composition - 8/17/2002, \$38.00

### MECHANICAL TESTING OF METALS (TC 164)

ISO/DIS 376, Metallic materials - Calibration of force-proving instruments used for the verification of uniaxial testing machines - 8/3/2002, \$60.00

### NUCLEAR ENERGY (TC 85)

ISO/DIS 14850, Nuclear energy - Waste-packages activity measurement - High-resolution gamma spectrometry in integral mode with open geometry - 8/17/2002, \$56.00

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

ISO/DIS 22609, Clothing for protection against infectious agents - Medical face masks - Test method for resistance against penetration by synthetic blood (fixed volume, horizontally projected) - 8/17/2002, \$54.00

### PLASTICS (TC 61)

ISO/DIS 1268-10, Fibre-reinforced plastics - Methods of producing test plates - Part 10: Injection moulding of BMC and other long-fibre moulding compounds - General principles and moulding of multipurpose test specimens - 8/17/2002, \$56.00

ISO/DIS 1268-11, Fibre-reinforced plastics - Methods of producing test plates - Part 11: Injection moulding of BMC and other long-fibre moulding compounds - Small plates - 8/17/2002, \$54.00

ISO 178/DAMd1, Precision statement - 8/17/2002, \$26.00

ISO 6721-4/DAMd1, Plastics - Determination of dynamic mechanical properties - Part 4: Tensile vibration - Non-resonance method - Amendment 1 - 8/17/2002, \$35.00

### RUBBER AND RUBBER PRODUCTS (TC 45)

ISO/DIS 23711, Elastomeric seals - Requirements for materials for pipe joint seals used in water and drainage applications - Thermoplastic elastomers - 8/17/2002, \$46.00

### SHIPS AND MARINE TECHNOLOGY (TC 8)

ISO/DIS 15516, Ships and marine technology - Launching appliances for davit-launched lifeboats - 8/17/2002, \$56.00

### STEEL (TC 17)

ISO/DIS 6930-2, High yield strength steel plates and wide flats for cold forming - Part 2: Delivery condition for normalized, normalized rolled and as-rolled steels - 8/17/2002, \$46.00

### TIMBER (TC 218)

ISO/DIS 24294, Round and sawn timber - Vocabulary - 8/17/2002, \$94.00

## **TRACTORS AND MACHINERY FOR AGRICULTURE AND FORESTRY (TC 23)**

ISO/DIS 17103, Agricultural machinery - Rotary and flail mowers - Test methods and acceptance criteria for protective skirts - 8/17/2002, \$26.00

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

ISO/DIS 17381, Water quality -Guidelines for the choice and application of ready-to-use test kit methods in water analysis - 8/17/2002, \$54.00

## **WOOD-BASED PANELS (TC 89)**

ISO/DIS 17064, Wood-based panels - Fibreboard and particleboard - Vocabulary - 8/17/2002, \$30.00

# **IEC Standards**

20/537/FDIS, IEC 60331-12, Ed. 1: Tests for electric cables under fire conditions - Circuit integrity - Part 12: Apparatus - Fire with shock at a temperature of at least 830°C, 07/12/2002

20/538/FDIS, IEC 60331-31, Ed. 1: Tests for electric cables under fire conditions - Circuit integrity - Part 31: Procedures and requirements for fire with shock - Cables of rated voltage up to and including 0,6/1,0 kV, 07/12/2002

21/567/FDIS, IEC 61982-2 Ed.1: Secondary batteries for the propulsion of electric road vehicle - Part 2: Dynamic discharge performance test (DDPT) and dynamic endurance test (DET), 07/12/2002

22H/22/FDIS, 62040-1-1: Uninterruptible power systems (UPS) - Part 1-1: General and safety requirements for UPS used in operator access areas, 07/12/2002

46A/483/FDIS, Amendment 1 to 61935-1, Ed. 1, 07/12/2002

49/551/FDIS, Quartz crystal units of assessed quality - Part 1: Generic specification, 07/12/2002

100/499/FDIS, 61937-5: Digital audio - Interface for non-linear PCM encoded audio bitstreams applying IEC 60958 - Part 5: Non-linear PCM bitstream according to the DTS (Digital Theater Systems format(s) (TA 4), 07/12/2002

100/500/FDIS, 61937-6: Digital Audio - Interface for non-linear PCM encoded audio bitstreams applying IEC 60958 - Part 6: Non-linear PCM bitstreams according to the MPEG-2 AAC format (TA 4), 07/12/2002

100/501/FDIS, 61947-1: Electronic projection - Measurement and documentation of key performance criteria - Part 1: Fixed resolution projectors, 07/12/2002

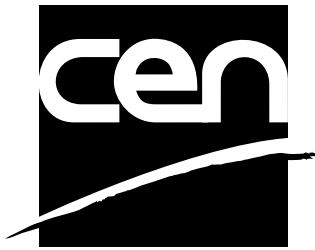
3C/917/FDIS, IEC 80416-3: Basic principles for graphical symbols for use on equipment - Part 3: Guidelines for the application of graphical symbols, 07/05/2002

31J/83A/FDIS, IEC 60079-17 Ed.3.0: Electrical apparatus for explosive gas atmospheres - Part 17: Inspection and maintenance of electrical installations in hazardous areas (other than mines), 06/14/2002

61H/173/FDIS, IEC 60335-2-76 Ed. 2.0: Household and similar electrical appliances - Safety - Part 2-76: Particular requirements for electric fence energizers, 07/05/2002

76/242/FDIS, Amendment 1 to IEC 60825-4: Ed. 1: Safety of laser products - Part 4: Laser guards, 07/05/2002

# CEN/CENELEC Standards Activity



**Competitive Excellence Through  
Standardization Technology**

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

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

Comments regarding CEN are to be sent to Henrietta Scully at ANSI's New York offices. Comments regarding CENELEC are to be sent to Charles T. Zegers, also at ANSI's New York offices.

### Ordering Instructions

**ENs are currently available via ANSI's ESS (Electronic Standards Store), accessed at [www.ansi.org](http://www.ansi.org).**

**prENs can be made available via ANSI's ESS "on-demand" via e-mail request. Send your request for a prEN to be made available via the ESS to Customer Service at [sales@ansi.org](mailto:sales@ansi.org) and the document will be posted to the ESS within 3 working days. Please be ready to provide the date of the Standards Action issue in which the prEN document you are requesting appears.**

## CEN

### European drafts sent for CEN enquiry

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

EN 1317-2: 1998/prA1, Road restraint systems - Part 2: Performance classes, impact test acceptance criteria and test methods for safety barriers - 9/11/2002, \$20.00

prEN 438-1, High-pressure decorative laminates (HPL) - Sheets based on thermosetting resins (usually called laminates) - Part 1: Introduction and general information - 9/11/2002, \$24.00

prEN 438-2, High-pressure decorative laminates (HPL) - Sheets based on thermosetting resins (usually called laminates) - Part 2: Determination of properties - 9/11/2002, \$102.00

prEN 438-3, High-pressure decorative laminates (HPL) - Sheets based on thermosetting resins (usually called laminates) - Part 3: Classification and specifications for laminates less than 2 mm thick intended for bonding to supporting substrates - 9/11/2002, \$35.00

prEN 438-4, High-pressure decorative laminates (HPL) - Sheets based on thermosetting resins (usually called laminates) - Part 4: Classification and specifications for compact laminates of thickness 2 mm and greater - 9/11/2002, \$30.00

prEN 438-5, High-pressure decorative laminates (HPL) - Sheets based on thermosetting resins (usually called laminates) - Part 5: Classification and specifications for flooring grade laminates less than 2 mm thick - 9/11/2002, \$30.00

prEN 438-6, High-pressure decorative laminates (HPL) - Sheets based on thermosetting resins (usually called laminates) - Part 6: Classification and specifications for exterior-grade compact laminates of thickness 2 mm and greater - 9/11/2002, \$30.00

prEN 764-6, Pressure equipment - Terminology - Part 6: Operating instructions - 9/11/2002, \$30.00

prEN 1443 REVIEW, Chimneys - General requirements - 9/11/2002, \$50.00

prEN 1466 REVIEW, Child care articles - Carry cots and stands - Safety requirements and test methods - 9/18/2002, \$60.00

prEN 12390-9, Testing hardened concrete - Part 9: Freeze-thaw resistance - Scaling - 9/18/2002, \$54.00

prEN 14435, Respiratory protective devices - Self-contained open-circuit compressed air breathing apparatus with half mask designed to be used with positive pressure only - Requirements, testing, marking - 9/11/2002, \$56.00

prEN 14436, Copper and copper alloys - Electrolytically tinned strip - 9/11/2002, \$76.00

prEN 14437, Determination of the uplift resistance of installed clay or concrete tiles for roofing - Roof system test method - 9/11/2002, \$56.00

prEN 14438, Gas-fired insets for heating more than one room - 9/11/2002, \$42.00

prEN 14439, Cranes - Tower cranes - 9/11/2002, \$84.00

prEN 14440, Slurry surfacing - Factory production control - 9/11/2002, \$38.00

prEN 14447, Fibre reinforced plastics - Glass mat reinforced thermoplastics (GMT) - Determination of flowability and solidification - 9/18/2002, \$38.00

prEN 14448, Heated tool welding of the thermoplastics mouldings in mass production - 9/18/2002, \$60.00

prEN 14449, Glass in building - Laminated glass and laminated safety glass - Evaluation of conformity - 9/18/2002

prEN 14450, Secure storage units - Requirements, classification and methods of test for resistance to burglary - Secure safe cabinets - 9/18/2002, \$46.00

prEN ISO 178 REVIEW, Plastics - Determination of flexural properties (ISO 178: 2001) - 9/18/2002, \$20.00

- prEN ISO 1628-3 REVIEW, Plastics - Determination of the viscosity of polymers in dilute solution using capillary viscometers - Part 3: Polyethylenes and polypropylenes (ISO 1628-3: 2002) - 9/18/2002, \$20.00
- prEN ISO 2039-1 REVIEW, Plastics - Determination of hardness - Part 1: Ball indentation method (ISO 2039-1: 2001) - 9/11/2002, \$20.00
- prEN ISO 3977-5, Gas turbines - Procurement - Part 5: Applications for petroleum and natural gas industries (ISO 3977-5: 2001) - 9/18/2002, \$20.00
- prEN ISO 9311-3, Adhesives for thermoplastic piping systems - Part 3: Test method for the determination of resistance to internal pressure (ISO/DIS 9311-3: 2002) - 8/18/2002, \$20.00
- prEN ISO 11403-1 REVIEW, Plastics - Acquisition and presentation of comparable multipoint data - Part 1: Mechanical properties (ISO 11403-1: 2001) - 9/18/2002, \$20.00
- prEN ISO 17836, Determination of the deposition efficiency for thermal spraying (ISO/DIS 17836: 2002) - 8/19/2002, \$24.00
- prEN ISO 18273, Welding consumables - Wire electrodes, wires and rods for welding of aluminium and aluminium alloys - Classification (ISO/DIS 18273: 2002)
- prEN ISO 18278-1, Resistance welding - Weldability - Part 1: Assessment of weldability for resistance spot, seam and projection welding of metallic materials (ISO/DIS 18278-1: 2002) - 8/18/2002, \$20.00
- prEN ISO 18278-2, Resistance welding - Weldability - Part 2: Alternative procedures for the assessment of steel sheets for spot welding (ISO/DIS 18278-2: 2002) - 8/19/2002, \$54.00
- prEN ISO 19840, Paints and varnishes - Corrosion protection of steel structures by protective paint systems - Measurement of, and acceptance criteria for, the dry film thickness on rough surfaces (ISO/DIS 19840: 2002)
- prEN ISO 20764, Petroleum and related products - Preparation of a test portion of high-boiling liquids for the determination of water content - Nitrogen purge method (ISO/DIS 20764: 2002) - 8/18/2002, \$20.00
- prEN ISO/IEC 17011, General requirements for bodies providing assessment and accreditation of conformity assessment bodies (ISO/DIS 17011: 2002) - 8/18/2002, \$20.00
- prEN 13528-1, Ambient air quality - Diffusive samplers for the determination of concentrations of gases and vapours - Requirements and test methods - Part 1: General requirements
- prEN 13528-2, Ambient air quality - Diffusive samplers for the determination of concentrations of gases and vapours - Requirements and test methods - Part 2: Specific requirements and test methods
- prEN 13595-2, Protective clothing for professional motorcycle riders - Jackets, trousers and one-piece or divided suits - Part 2: Test method for determination of impact abrasion resistance
- prEN 13689, Guidance on the classification and design of plastics piping systems used for renovation
- prEN 13719, Geotextiles and geotextile-related products - Determination of the long term protection efficiency of geotextiles in contact with geomembranes
- prEN 13761, Office furniture - Visitors chair
- prEN ISO 8321-1 - REVIEW, Ophthalmic optics - Specifications for material, optical and dimensional properties of contact lenses - Part 1: Rigid corneal and scleral contact lenses (ISO/FDIS 8321-1: 2002)
- prEN ISO 9934-2, Non destructive testing - Magnetic particle testing - Part 2: Detection media (ISO/FDIS 9934-2: 2002)
- prEN ISO 13691, Petroleum and natural gas industries - High-speed special-purpose gear units (ISO 13691: 2001)
- prEN ISO 14557, Fire-fighting hoses - Rubber and plastics suction hoses and hose assemblies (ISO/FDIS 14557: 2002)
- prEN ISO 14876-1, Protective clothing - Body armour - Part 1: General requirements (ISO/FDIS 14876-1: 2002)
- prEN ISO 14956, Air quality - Evaluation of the suitability of a measurement procedure by comparison with a required measurement uncertainty (ISO/FDIS 14956: 2002)

## European drafts sent for formal vote (for information)

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

- prCEN/TS 14441, Postal services - Automatic identification of receptacles and containers - Mail aggregates
- prEN 1916, Concrete pipes and fittings, unreinforced, steel fibre and reinforced
- prEN 1917, Concrete manholes and inspection chambers, unreinforced, steel fibre and reinforced
- prEN 3852, Aerospace series - Pipe couplings, 60°, spherical, in titanium alloy T1-P64001 - Straight unions, welded, threaded
- prEN 3853, Aerospace series - Pipe couplings, 60°, spherical, in titanium alloy T1-P64001 - Straight unions, threaded
- prEN 3854, Aerospace series - Pipe couplings, 60°, spherical, in titanium alloy T1-P64001 - Ferrules, welded
- prEN 3856, Aerospace series - Pipe couplings, 60°, spherical, in titanium alloy T1-P64001 - Swivel nuts for thrust wire
- prEN 3857, Aerospace series - Pipe couplings, 60°, spherical, in titanium alloy T1-P64001 - Elbows 90°, welded
- prEN 4120, Aerospace series - Nuts, bihexagonal, self-locking, in heat resisting nickel base alloy NI-P101HT (Waspaloy), silver plated on thread - Classification: 1 210 MPa ((at ambient temperature)/730°C
- prEN 12620, Aggregates for concrete



# Registration of Organization Names in the United States

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

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

## PUBLIC REVIEW

cmsenergy

Organization: CMS Energy  
212 W. Michigan Avenue  
Jackson, MI 49201  
Contact: Thomas S. McKown  
PHONE: 517-788-8964; FAX: 517-788-0426  
Email: tsmckown@cmsenergy.com

Public review: February 27, 2002 to May 28, 2002

sempra

Public review: March 13, 2002 to June 11, 2002

State of Wyoming

Organization: State of Wyoming  
Information Security Office  
2001 Capitol Avenue  
Cheyenne, WY 82002  
Contact: Joel C. Maslak  
PHONE: 307-777-5505; FAX: 307-777-5119

Public review: May 8, 2002 to August 6, 2002

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

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

## Proposed Foreign Government Regulations

### Call for Comment

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

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

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

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

### Withdrawal of ANSI/CGA E-7-1992 as an American National Standard

CGA has requested the withdrawal of the above-referenced standard as an American National Standard due to the lack of consensus relative to its reaffirmation. In addition, this standard will exceed its 10-year approval date effective December 12, 2002. Questions may be directed to Debbie Angerman at [dangerman@cganet.com](mailto:dangerman@cganet.com).

## International Organization for Standardization (ISO)

### Call for New Secretary

### Relinquishment of ISO Subcommittee Secretariat

### ISO/TC 96/SC 6 - Mobile Cranes

### Comment Deadline: June 17, 2002

ANSI has been advised by SAE that they no longer wish to serve as Secretary for this International Subcommittee.

The work of mobile cranes is covered by the scope of ISO/TC 96 as follows:

Standardization in the field of cranes and related equipment which suspend loads by means of a load handling device, particularly in respect of terminology, load rating, testing, safety, general design principles, maintenance and operation.

Any organization wishing to assume the role of US delegated Secretariat, please contact Henrietta Scully via e-mail: [hscully@ansi.org](mailto:hscully@ansi.org); mail: c/o ANSI, 25 West 43rd Street, New York, NY 10036; or fax to (212) 730-1346 before June 17, 2002.

## International Electrotechnical Commission (IEC)

### Withdrawal of Administrative Secretariat

### IEC/TC 93 - Design Automation

The Electronic Industries Alliance (EIA) has advised the U.S. National Committee/IEC that it is resigning as Administrative Secretariat for the following IEC Technical Committee:

### IEC/TC 93 - Design Automation

Scope: Standardization to enable the integration and automation of electrotechnical product design, engineering, manufacturing, and logistics support processes, and to facilitate procedures for product operation and maintenance. This standardization should also support the integrated system design of electrotechnical products which encompasses the

electrical, electronic, electromechanical and embedded software performance aspects.

Such standardization involves computer-sensible representations of electrotechnical hardware and embedded and control software for use in computer-aided and auxiliary activities that may directly impact these processes. Representative activities include but are not limited to:

- preparing data element descriptions of electrotechnical products,
- preparing information models of such products,
- preparing design, engineering, manufacturing and logistics support process application protocols,
- identifying hardware and software requirements to support the use and validation of the application protocols,
- developing methods and enabling technologies for TC 93 and other IEC Technical Committees.

This work shall be carried out in collaboration with ISO/TC 184/SC 4 and other relevant technical committees in IEC and ISO.

The USNC Technical Management Committee had delegated Administrative Secretariat responsibility for this TC to EIA some time ago and, as such, EIA supported the international Secretary of the committee. If the USNC TMC is unable to find a replacement, this Secretariat responsibility will have to be officially relinquished.

Anyone who has an interest and wishes additional information please contact: Charles T Zegers, General Secretary, USNC/IEC, ANSI, PHONE: (212) 642-4965; FAX: (212) 730-1346, E-Mail: [czegers@ansi.org](mailto:czegers@ansi.org).

## U.S. National Committee of the IEC

### U.S. Proposal for Initiation of International Standard

The following proposal for the initiation of an international Standard has been submitted to the International Electrotechnical Commission: TC 78: Live Working

Title:

IEC 62192: Live Working - Ropes of insulating material

Scope:

This international standard refers to ropes that are used during live line procedures in contact with or in the vicinity of live parts operating at voltages including 800 kV. It is a requirement of this class of rope that they will not be conductive when damp.

For additional information please contact: Donald A. Gillies, Gillies & Associates, 64560 East Sandy River Lane, Rhododendrom, OR 97049, PHONE: (503) 622-4847, FAX: (503) 622-2669, E-Mail: [jgillies@msn.com](mailto:jgillies@msn.com).