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

VOL. 34, #2
January 10, 2003

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Standards Action is now available via the World Wide Web
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http://www.ansi.org/rooms/room_14/

American National Standards
Call for comment on proposals listed

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

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

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ISSN 0038-9633
ASA (ASC S1) (Acoustical Society of America)

Reaffirmations


This standard provides recommendations for specifying and testing the susceptibility of acoustical instruments to radiated electromagnetic fields. The instruments may be powered by batteries or from a public supply of electric power. Recommendations related to testing an instrument’s susceptibility to electromagnetic radiation are given in annex A. Annex B contains a bibliography of background information.

Single copy price: $100.00

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

Send comments (with copy to BSR) to: Same

BSR S1.20-1988 (R200x), Procedures for Calibration of Underwater Electroacoustic Transducers (reaffirmation of ANSI S1.20-1988 (R1998))

This standard establishes measurement procedures for calibrating underwater electroacoustic transducers and describes forms for presenting the resultant data. It is a revision of American National Standard S1.20-1972 (R1977).

Single copy price: $150.00

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

Send comments (with copy to BSR) to: Same

ASA (ASC S12) (Acoustical Society of America)

Reaffirmations


This Standard adopts insertion loss - the difference between acoustical levels before and after a noise-barrier installation - as the basis for evaluating the acoustical effectiveness of an outdoor noise barrier. Methods are provided to determine the insertion loss of outdoor noise barriers at selected receiver locations and under conditions of interest.

Single copy price: $150.00

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

Send comments (with copy to BSR) to: Same


This standard defines the basic quantities that can be used separately or in combination for the description of community sound and describes basic procedures for measurement of the quantities. The scope of this standard encompasses all types of environmental sound, separately or in combination, that contribute to the total sound at a site.

Single copy price: $90.00

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

Send comments (with copy to BSR) to: Same


This standard describes recommended procedures for measurement of long-term, time-average environmental sound outdoors at one or more locations in a community for environmental assessment or planning for compatible land uses and for other purposes such as noise prediction, validation and regulation.

Single copy price: $100.00

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

Send comments (with copy to BSR) to: Same


This standard is the third part of a series related to quantities and procedures for description and measurement of environmental sound. This present standard, Part 3, deals with basic measurements of sound with an observer present. Typically, the duration of these measurements ranges from several minutes to several hours.

Single copy price: $100.00

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

Send comments (with copy to BSR) to: Same

BSR S12.9-Part 5-1998 (R200x), Quantities and Procedures for Description and Measurement of Environmental Sound - Part 5: Sound Level Descriptors for Determination of Compatible Land Use (reaffirmation of ANSI S12.9-Part 5-1998)

This Standard provides guidelines for assessing the compatibility of various human uses of land with the actual or projected outdoor noise environment at a site. The total noise environment is characterized by the yearly average total day-night adjusted or non-adjusted sound exposure or the yearly average adjusted or non-adjusted day-night average sound level.

Single copy price: $90.00

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

Send comments (with copy to BSR) to: Same

ASA (ASC S2) (Acoustical Society of America)

New Standards

BSR S2.28-200x, Guide for the Measurement and Evaluation of Vibration of Shipboard Machinery (new standard)

This standard contains procedures for the measurement and evaluation of the mechanical vibration of non-reciprocating machines, as measured on non-rotating parts. It contains criteria for evaluating new machines and for vibration monitoring. This American National Standard is related to the ISO 10816 series that provides guidelines for the evaluation of different types of machines.

Single copy price: $120.00

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

Send comments (with copy to BSR) to: Same

BSR S2.29-200x, Guide for the Measurement and Evaluation of Vibration of Machine Shafts on Shipboard Machinery (new standard)

This standard contains procedures for the measurement and evaluation of the mechanical vibration of non-reciprocating machines, as measured on non-rotating shafts. It contains criteria for evaluating new machines and for vibration monitoring. This American National Standard is related to the ISO 7919 series that provides guidelines for the evaluation of different types of machines.

Single copy price: $120.00

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

Send comments (with copy to BSR) to: Same
IEEE (Institute of Electrical and Electronics Engineers)

**New Standards**

Applies to both switching impulse and lightning impulse tests on cables or cable systems incorporating laminated or extruded insulations. The term laminated cable, as used in this procedure, includes: high-pressure pipe cable, low-pressure gas-filled cable, self-contained liquid-filled cable, solid-paper cable, and other taped cable designs. A cable system is a cable with one or more accessories attached.

Single copy price: N/A

Order from: Customer Service: 1-800-678-4333 (phone); 732-981-9667 (fax)
Send comments (with copy to BSR) to: David Ringle, IEEE; d.ringle@ieee.org

**BSR/IEEE 1278.4-2002, Recommended Practice for Distributed Interactive Simulation - Verification, Validation, and Accreditation (new standard)**
Part of a set of standards for Distributed Interactive Simulation (DIS) applications. As a whole, the set will define an interoperable simulated battle environment. This standard establishes guidelines for the verification, validation, and accreditation (VV&A) of DIS exercises.

Single copy price: $98.00 Non-member; $78.00 Member

Order from: Customer Service: 1-800-678-4333 (phone); 732-981-9667 (fax)
Send comments (with copy to BSR) to: David Ringle, IEEE; d.ringle@ieee.org

Defines a set of modeling rules for writing Verilog HDL descriptions for synthesis.

Single copy price: $83.00 Non-member; $66.00 Member

Order from: Customer Service: 1-800-678-4333 (phone); 732-981-9667 (fax)
Send comments (with copy to BSR) to: David Ringle, IEEE; d.ringle@ieee.org

Extends IEEE Std. 1450 to support the definition of DC Levels. The DC levels information consists of the pin reference levels, the device power supply levels, and the sequencing of these levels for powering up the device, powering down the device, or to change levels of the device.

Single copy price: N/A

Order from: Customer Service: 1-800-678-4333 (phone); 732-981-9667 (fax)
Send comments (with copy to BSR) to: David Ringle, IEEE; d.ringle@ieee.org

Describes a series of mandatory and optional programming instructions and associated data registers that define a standard methodology for accessing and configuring programmable devices.

Single copy price: N/A

Order from: Customer Service: 1-800-678-4333 (phone); 732-981-9667 (fax)
Send comments (with copy to BSR) to: David Ringle, IEEE; d.ringle@ieee.org

Prescribes the maximum dimensional requirements of each battery tray for a specific number of cells and battery capacity or performance rating.

Single copy price: N/A

Order from: Customer Service: 1-800-678-4333 (phone); 732-981-9667 (fax)
Send comments (with copy to BSR) to: David Ringle, IEEE; d.ringle@ieee.org

Applies to the detection and measurement by the wide-band apparent charge method of partial discharges occurring in liquid-filled power transformers and shunt reactors during dielectric tests, where applicable.

Single copy price: $90.00 Non-member; $72.00 Member

Order from: Customer Service: 1-800-678-4333 (phone); 732-981-9667 (fax)
Send comments (with copy to BSR) to: David Ringle, IEEE; d.ringle@ieee.org

Defines an integrated approach to systematic and documented unit testing. The approach uses unit design and unit implementation information, in addition to unit requirements, to determine the completeness of the testing.

Single copy price: N/A

Order from: Customer Service: 1-800-678-4333 (phone); 732-981-9667 (fax)
Send comments (with copy to BSR) to: David Ringle, IEEE; d.ringle@ieee.org

Provides recommended maintenance, test schedules, and testing procedures that can be used to optimize the life and performance of permanently installed vented lead-acid storage batteries used for standby power applications. It also provides guidance to determine when batteries should be replaced.

Single copy price: N/A

Order from: Customer Service: 1-800-678-4333 (phone); 732-981-9667 (fax)
Send comments (with copy to BSR) to: David Ringle, IEEE; d.ringle@ieee.org

**Revisions**

Defines an integrated approach to systematic and documented unit testing. The approach uses unit design and unit implementation information, in addition to unit requirements, to determine the completeness of the testing.

Single copy price: N/A

Order from: Customer Service: 1-800-678-4333 (phone); 732-981-9667 (fax)
Send comments (with copy to BSR) to: David Ringle, IEEE; d.ringle@ieee.org

Describes a series of mandatory and optional programming instructions and associated data registers that define a standard methodology for accessing and configuring programmable devices.

Single copy price: N/A

Order from: Customer Service: 1-800-678-4333 (phone); 732-981-9667 (fax)
Send comments (with copy to BSR) to: David Ringle, IEEE; d.ringle@ieee.org
Covers the following types of enclosed low-voltage dc power circuit breakers:
(a) stationary or drawout type of one- or two-pole construction;
(b) having one or more rated maximum voltages of 3200 V, 1600 V, 1200 V, 1000 V, 800 V, 325 V, or 300 V for applications on systems having nominal voltages of 3000 V, 1500 V, 1000 V, 850 V, 750 V, 275 V, or 250 V;
(c) manually-operated or power-operated; and
(d) with or without overcurrent trip devices.
Single copy price: N/A
Order from: Customer Service: 1-800-678-4333 (phone); 732-981-9667 (fax)
Send comments (with copy to BSR) to: David Ringle, IEEE; d.ringle@ieee.org

BSR/IEEE C95.3-2002, Recommended Practice for Measurements and Computations with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 100 kHz to 300 GHz (revision of ANSI/IEEE C95.3-1991 (R1997))
Revises and develops specifications for preferred methods for measuring and computing external radiofrequency electromagnetic fields to which persons may be exposed.
Single copy price: N/A
Order from: Customer Service: 1-800-678-4333 (phone); 732-981-9667 (fax)
Send comments (with copy to BSR) to: David Ringle, IEEE; d.ringle@ieee.org

Supplements

BSR/IEEE 802.1s-2002, Standards for Local and Metropolitan Area Networks - Amendment to 802.1Q Virtual Bridged Local Area Networks: Multiple Spanning Trees (supplement to ANSI/IEEE 802.1q-1998)
Extends the scope of 802.1Q to specify the use of multiple spanning trees, with data traffic allocated to spanning trees on the basis of the virtual local area networks (VLANs) to which data frames belong.
Single copy price: $105.00 Non-member; $84.00 Member
Order from: Customer Service: 1-800-678-4333 (phone); 732-981-9667 (fax)
Send comments (with copy to BSR) to: David Ringle, IEEE; d.ringle@ieee.org

Updates and expands Clause 12 of 802.16, which concerns system profiles that list sets of features and functions to be used in typical implementation cases.
Single copy price: $73.00 Non-member; $58.00 Member
Order from: Customer Service: 1-800-678-4333 (phone); 732-981-9667 (fax)
Send comments (with copy to BSR) to: David Ringle, IEEE; d.ringle@ieee.org

Technical corrigendum addresses issues raised in defect reports and interpretation requests.
Single copy price: N/A
Order from: Customer Service: 1-800-678-4333 (phone); 732-981-9667 (fax)
Send comments (with copy to BSR) to: David Ringle, IEEE; d.ringle@ieee.org

Reaffirmations

Covers mineral insulating oil commonly defined as transformer oil; definition and description of reclaiming procedures; the test methods used to evaluate the progress and end point of the reclamation process, and what criteria recommended for the use of reclaimed oils are considered suitable.
Single copy price: $74.00 Non-member; $59.00 Member
Order from: Customer Service: 1-800-678-4333 (phone); 732-981-9667 (fax)
Send comments (with copy to BSR) to: David Ringle, IEEE; d.ringle@ieee.org

BSR/IEEE 945-1984 (R200x), Recommended Practice for Preferred Metric Units for Use in Electrical and Electronics Science and Technology (reaffirmation of ANSI/IEEE 945-1984 (R1997))
Aids in the selection of metric units so as to promote uniformity in the use of metric units and to limit the number of different metric units that will be used in electrical and electronics science and technology.
Single copy price: $72.00 Non-member; $57.00 Member
Order from: Customer Service: 1-800-678-4333 (phone); 732-981-9667 (fax)
Send comments (with copy to BSR) to: David Ringle, IEEE; d.ringle@ieee.org

Standardizes software productivity metrics terminology to ensure an understanding of measurement for both code and documentation production. It defines a set of units to measure the output products and input effort.
Single copy price: $101.00 Non-member; $81.00 Member
Order from: Customer Service: 1-800-678-4333 (phone); 732-981-9667 (fax)
Send comments (with copy to BSR) to: David Ringle, IEEE; d.ringle@ieee.org

BSR/IEEE 1076.2-1996 (R200x), Standard VHDL Mathematical Packages (reaffirmation of ANSI/IEEE 1076.2-1996)
The set of packages provides a standard for the declaration of most frequently used real and complex elementary functions required for numerically oriented modeling applications. Use of these packages with their defined data types, constants, and functions is intended to provide a mechanism for writing VHDL models that are portable and interoperable with other VHDL models adhering to this standard.
Single copy price: $98.00 Non-member; $78.00 Member
Order from: Customer Service: 1-800-678-4333 (phone); 732-981-9667 (fax)
Send comments (with copy to BSR) to: David Ringle, IEEE; d.ringle@ieee.org

Specifies the representation of Scheme programs, their syntax, the semantic rules for interpreting them, and the representation of data to be input or output by them.
Single copy price: $107.00 Non-member; $86.00 Member
Order from: Customer Service: 1-800-678-4333 (phone); 732-981-9667 (fax)
Send comments (with copy to BSR) to: David Ringle, IEEE; d.ringle@ieee.org
Applies to the Software Safety Plan used for the development, procurement, maintenance, and retirement of safety-critical software; for example, software products whose failure could cause loss of life, serious harm, or have widespread negative social impact.
Single copy price: $75.00 Non-member; $60.00 Member
Order from: Customer Service: 1-800-678-4333 (phone); 732-981-9667 (fax)
Send comments (with copy to BSR) to: David Ringle, IEEE; d.ringle@ieee.org

Part of a set of standards for Distributed Interactive Simulation (DIS) applications. As a whole, the set will define an interoperable simulated battle environment. This standard defines the data messages, known as Protocol Data Units (PDUs), that are exchanged on a network between simulation applications.
Single copy price: $225.00 Non-member; $180.00 Member
Order from: Customer Service: 1-800-678-4333 (phone); 732-981-9667 (fax)
Send comments (with copy to BSR) to: David Ringle, IEEE; d.ringle@ieee.org

BSR/IEEE 1278.2-1995 (R200x), Standard for Distributed Interactive Simulation - Communication Services and Profiles (reaffirmation of ANSI/IEEE 1278.2-1995)
Part of a set of standards for Distributed Interactive Simulation (DIS) applications. As a whole, the set will define an interoperable simulated battle environment. This standard establishes the requirements for the communication services to be used in a DIS application.
Single copy price: $114.00 Non-member; $91.00 Member
Order from: Customer Service: 1-800-678-4333 (phone); 732-981-9667 (fax)
Send comments (with copy to BSR) to: David Ringle, IEEE; d.ringle@ieee.org

BSR/IEEE 1278.3-1996 (R200x), Recommended Practice for Distributed Interactive Simulation - Exercise Management and Feedback (reaffirmation of ANSI/IEEE 1278.3-1996)
Part of a set of standards for Distributed Interactive Simulation (DIS) applications. As a whole, the set will define an interoperable simulated battle environment. This standard establishes guidelines for exercise management and feedback in DIS exercises.
Single copy price: $90.00 Non-member; $72.00 Member
Order from: Customer Service: 1-800-678-4333 (phone); 732-981-9667 (fax)
Send comments (with copy to BSR) to: David Ringle, IEEE; d.ringle@ieee.org

Provides general guidelines for commissioning high-voltage direct-current (HVDC) converter stations and associated transmission systems. Applies to HVDC systems utilizing 6-pulse or 12-pulse thyristor-valve converter units operated as a two-terminal HVDC transmission system or an HVDC back-to-back system.
Single copy price: $92.00 Non-member; $74.00 Member
Order from: Customer Service: 1-800-678-4333 (phone); 732-981-9667 (fax)
Send comments (with copy to BSR) to: David Ringle, IEEE; d.ringle@ieee.org

Provides a listing of possible measurement goals related to characterizing quasi-static magnetic and electric fields and possible methods for their accomplishment.
Single copy price: $90.00 Non-member; $72.00 Member
Order from: Customer Service: 1-800-678-4333 (phone); 732-981-9667 (fax)
Send comments (with copy to BSR) to: David Ringle, IEEE; d.ringle@ieee.org

Applies to two or three terminal, four or five layer, thyristor surge protection devices (SPDs) for application on systems with voltages equal to or less than 1000 V rms or 1200 V dc.
Single copy price: $96.00 Non-member; $77.00 Member
Order from: Customer Service: 1-800-678-4333 (phone); 732-981-9667 (fax)
Send comments (with copy to BSR) to: David Ringle, IEEE; d.ringle@ieee.org

NEMA (ASC C37) (National Electrical Manufacturers Association)

Revisions
Contains information on a number of different protective relaying practices for the utility-consumer interconnection. It is intended to cover applications involving service to a consumer that normally requires a transformation between the utility's supply voltage and the consumer's utilization voltage.
Single copy price: N/A
Order from: Customer Service: 1-800-678-4333 (phone); 732-981-9667 (fax)
Send comments (with copy to BSR) to: David Ringle, IEEE; d.ringle@ieee.org
OPEI (Outdoor Power Equipment Institute)

Revisions

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

Establishes minimum manufacturer requirements to reduce the risk of injury associated with the use of portable, hand-supported, gasoline-powered grass trimmers and brushcutters. This standard applies to portable hand-supported gasoline-powered grass trimmers intended for use with flexible non-metallic line, or other types of non-metallic cutting attachments.

Single copy price: $10.00

Order from: Nate Wall, OPEI; nwall@opei.org
Send comments (with copy to BSR) to: Same
Call for Comment Contact Information

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

Order from:

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

ESTA (ASC E1)
Entertainment Services and Technology Association
875 Sixth Avenue, Suite 1005
New York, NY 10001
Phone: (212) 244-1505
Fax: (212) 244-1502
Web: www.esta.org

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

IEEE
Institute of Electrical and Electronics Engineers (IEEE)
445 Hoes Lane, P.O.Box 1331
Piscataway, NJ 08855-1331
Phone: (732) 562-3806
Fax: (732) 562-1571
Web: www.ieee.org

OPEI
Outdoor Power Equipment Institute
341 South Packer Street
Alexandria, VA 22314
Phone: (703) 549-7600
Fax: (703) 549-7604
Web: opei.mow.org
Send comments to:

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

ESTA (ASC E1)
Entertainment Services and Technology Association
875 Sixth Avenue, Suite 1005
New York, NY 10001
Phone: (212) 244-1505
Fax: (212) 244-1502
Web: www.esta.org

IEEE
Institute of Electrical and Electronics Engineers (IEEE)
445 Hoes Lane, P.O.Box 1331
Piscataway, NJ 08855-1331
Phone: (732) 562-3806
Fax: (732) 562-1571
Web: www.ieee.org

OPEI
Outdoor Power Equipment Institute
341 South Packer Street
Alexandria, VA 22314
Phone: (703) 549-7600
Fax: (703) 549-7604
Web: opei.mow.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
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.

OPEI (Outdoor Power Equipment Institute)

Office: 341 South Packer Street
         Alexandria, VA  22314

Contact: Nate Wall

Phone: (703) 549-7600
Fax: (703) 549-7604
E-mail: nwall@opei.org

BSR B175.3-200x, Outdoor Power Equipment - Grass Trimmers and Brushcutters - Safety Requirements (revision of ANSI B175.3-1997)
Final actions on American National Standards

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

AAMI (Association for the Advancement of Medical Instrumentation)

New Standards

AGMA (American Gear Manufacturers Association)

Revisions
ANSI/AGMA 9005-E-2002, Industrial Gear Lubrication (revision of ANSI/AGMA 9005-D94 (R00)): 12/31/2002

ASAE (American Society of Agricultural Engineers)

Revisions

ASME (American Society of Mechanical Engineers)

Reaffirmations

Withdrawals

ASTM (ASTM International)

New National Adoptions
ANSI/ASTM F2222-2002, Medical Suction Equipment - Suction Equipment Powered from a Vacuum or Pressure Source (national adoption with modifications): 12/10/2002

New Standards


Reaffirmations


Withdrawals


BIFMA (Business and Institutional Furniture Manufacturers Association)

Revisions


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

Supplements


ITI (INCITS) (INCITS)

New National Adoptions


Reaffirmations


ANSI INCITS 54-1986 (R2002), Recorded Magnetic Tape for Information Interchange (6250 CPI, Group Coded Recording) (reaffirmation of ANSI INCITS 54-1986 (R1997)): 1/6/2003


NEMA (ASC C78) (National Electrical Manufacturers Association)

Supplements


RVIA (ASC A119) (Recreational Vehicle Industry Association)

Reaffirmations

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.

ITI (INCITS) (INCITS)

Office: 1250 Eye Street, NW
Suites 200
Washington, DC 20005-3922
Contact: Barbara Bennett
Fax: (202) 638-4922
E-mail: bbennett@itic.org

BSR INCITS PN-1602-D-200x, Information technology - Biometric Performance Testing and Reporting (new standard)

This proposed standard would establish common procedures for testing and reporting the performance of biometric systems. In addition, this proposed standard would specify the reporting requirements the compliant declarations must meet in association with such reports.

BSR INCITS PN-1603-D-200x, Information technology - Signature/Sign Image Based Interchange Format (new standard)

This proposed standard will define a data record interchange format for storing, processing or transmitting the information from the sign or signature image data. There are currently numerous digitizers used for capturing signature data in this manner and there are also a number of different methods of representing these data for the purpose of recording the electronic signatures.

UL (Underwriters Laboratories, Inc.)

Office: 1655 Scott Boulevard
Santa Clara, CA 95050
Contact: Linda Phinney
Fax: (408) 556-6153
E-mail: Linda.L.Phinney@us.ul.com

BSR/UL 2024-200x, Optical Fiber Cable Raceway (new standard)

The requirements cover the following types of optical fiber cable raceways and fittings designed for use with optical fiber cables in accordance with the National Electrical Code (NEC):

a) Plenum - Evaluated for installation in ducts, plenums, or other spaces used for environmental air in accordance with the NEC as well as general purpose applications;
b) Riser - Evaluated for installation in risers in accordance with the NEC as well as general purpose applications; and
c) General Use - Evaluated for general purpose applications only.

American National Standards Maintained Under Continuous Maintenance

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

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

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

- AAMVA
- AGRSS
- ASC B109 (AGA)
- ASHRAE
- ASME
- ASTM
- NBBPVI
- NSF International
- TIA
- Underwriters Laboratories Inc.

To obtain additional information with regard to these standards, such as contact information at the ANSI accredited standards developer, please visit ANSI Online at www.ansi.org, select STANDARDS INFO, and choose "American National Standards Maintained Under Continuous Maintenance". This information is also available directly at http://web.ansi.org/public/ans_main/default.htm.

Alternatively, you may contact the Procedures & Standards Administration Department (PSA) at psa@ansi.org or via fax at 212-840-2298. If you request that information be provided via E-mail, please include your E-mail address; if you request that information be provided via fax, please include your fax number. Thank you.
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
Global Engineering Documents
15 Inverness Way East
Englewood, CO 80112-5704
phone: (800) 854-7179
fax: (303) 379-7956
e-mail: global@ihs.com
web: http://global.ihs.com

BUILDING CONSTRUCTION MACHINERY AND EQUIPMENT (TC 195)
ISO/DIS 18650-1, Building construction machinery and equipment - Concrete mixers - Part 1: Commercial specifications - 3/27/2003, $60.00

CHEMISTRY (TC 47)
ISO/DIS 14427, Carbonaceous materials for the production of aluminium - Cold and tepid ramming pastes - Preparation of unbaked test specimens and determination of apparent density after ramming - 3/27/2003, $24.00
ISO/DIS 14428, Carbonaceous materials for the production of aluminium - Cold and tepid ramming pastes - Determination of expansion/shrinkage during baking - 3/27/2003, $30.00
ISO/DIS 15379-1, Carbonaceous materials for the production of aluminium - Cathode blocks - Part 1: Determination of the expansion due to sodium penetration with application of pressure - 3/27/2003, $26.00
ISO/DIS 15379-2, Carbonaceous materials for the production of aluminium - Cathode blocks - Part 2: Determination of the expansion due to sodium penetration without application of pressure - 3/27/2003, $26.00
ISO/DIS 17544, Carbonaceous materials for the production of aluminium - Cold and tepid ramming pastes - Determination of rammability of unbaked paste - 3/27/2003, $26.00
ISO/DIS 20202, Carbonaceous materials for the production of aluminium - Cold and tepid ramming pastes - Preparation of baked test specimens and determination of baking loss - 3/27/2003, $24.00

DENTISTRY (TC 106)
ISO/DIS 22803, Dentistry - Membrane materials for guided tissue regeneration in oral and maxillofacial surgery - Contents of a technical file - 3/27/2003, $30.00

EARTH-MOVING MACHINERY (TC 127)

GRAPHIC TECHNOLOGY (TC 130)
ISO/DIS 2836, Graphic technology - Prints and printing inks - Assessment of resistance of prints to various agents - 3/20/2003, $35.00
ISO/DIS 12649, Graphic technology - Safety requirements for binding and finishing systems and equipment - 3/20/2003, $116.00

ISO/DIS 15930-1, Graphic technology - Prepress digital data exchange - Use of PDF - Part 1: Complete exchange using CMYK and spot colour data (PDF/X-1a) - 3/20/2003, $46.00
ISO/DIS 15930-3, Graphic technology - Prepress digital data exchange - Use of PDF - Part 3: Complete exchange suitable for colour-managed workflows (PDF/X-3) - 3/20/2003, $46.00

MECHANICAL VIBRATION AND SHOCK (TC 108)
ISO/DIS 18649, Mechanical vibration - Evaluation of measurement results from dynamic tests and investigations on bridges - 3/27/2003, $60.00

NUCLEAR ENERGY (TC 85)
ISO/ASTM DIS 51631, Practice for use of calorimetric dosimetry systems for electron beam dose measurements and dosimeter calibrations - 3/27/2003, $30.00
ISO/ASTM DIS 51818, Practice for dosimetry in an electron beam facility for radiation processing at energies between 80 keV and 300 keV - 3/27/2003, $35.00

OTHER
ISO/DIS 16432, Resistance welding - Procedure for projection welding of uncoated and coated low carbon steels using embossed projection(s) - 3/20/2003, $50.00
ISO/DIS 16433, Resistance welding - Procedure for seam welding of coated and uncoated low carbon steels - 3/27/2003, $56.00

PULLEYS AND BELTS (INCLUDING VEEBELTS) (TC 41)
ISO/DIS 2790, Belt drives - V-belts for the automotive industry and corresponding pulleys - Dimensions - 3/20/2003, $30.00

ROAD VEHICLES (TC 22)
ISO/DIS 15764, Road vehicles - Extended data link security - 3/27/2003, $80.00

ZINC AND ZINC ALLOYS (TC 18)
Newly Published IEC Standards

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

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

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<tr>
<th>Standards</th>
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<td>IEC 60630 Ed. 2.4 b:2002</td>
<td>Maximum lamp outlines for incandescent lamps</td>
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<td>Information technology equipment - Safety - Part 21: Remote power feeding</td>
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<td>IEC 61192-3 Ed. 1.0 b:2002</td>
<td>Workmanship requirements for soldered electronic assemblies - Part 3: Through-hole mount assemblies</td>
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<td>IEC 60944-4-1 Ed. 2.1 b:2002</td>
<td>Low-voltage switchgear and controlgear - Part 4-1: Contactors and motor-starters - Electromechanical contactors and motor-starters</td>
<td>$140.00</td>
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CABLES, WIRES, WAVEGUIDES, R.F. CONNECTORS, AND ACCESSORIES FOR COMMUNICATION AND SIGNALLING (TC 46)

- IEC 61156-1 Ed. 2.0 b:2002, Multicore and symmetrical pair/quad cables for digital communications - Part 1: Generic specification, $115.00

ELECTRICAL ACCESSORIES (TC 23)

- IEC 60998-2-1 Ed. 2.0 b:2002, Connecting devices for low-voltage circuits for household and similar purposes - Part 2-1: Particular requirements for connecting devices as separate entities with screw-type clamping units, $62.00
- IEC 60998-2-2 Ed. 2.0 b:2002, Connecting devices for low-voltage circuits for household and similar purposes - Part 2-2: Particular requirements for connecting devices as separate entities with screwless-type clamping units, $55.00
- IEC 60998-2-3 Ed. 2.0 b:2002, Connecting devices for low-voltage circuits for household and similar purposes - Part 2-3: Particular requirements for connecting devices as separate entities with insulation-piercing clamping units, $55.00

FIBRE OPTICS (TC 86)

- IEC 60794-2 Ed. 3.0 b:2002, Optical fibre cables - Part 2: Indoor cables - Sectional specification, $25.00
- IEC 60794-3-30 Ed. 1.0 b:2002, Optical fibre cables - Part 3-30: Outdoor cables - Family specification for optical telecommunication cables for lake and river crossings, $45.00

FUSES (TC 32)

- IEC 60127-1 Amd.2 Ed. 1.0 b:2002, Amendment 2, $18.00
- IEC 60127-3 Amd.2 Ed. 2.0 b:2002, Amendment 2, $20.00
- IEC 60127-6 Amd.2 Ed. 1.0 b:2002, Amendment 2, $36.00
- IEC 60691 Ed. 3.0 b:2002, Thermal-links - Requirements and application guide, $78.00

INSTRUMENT TRANSFORMERS (TC 38)

- IEC 60044-1 Amd.2 Ed. 1.0 b:2002, Amendment 2, $25.00
- IEC 60044-3 Ed. 2.0 b:2002, Instrument transformers - Part 3: Combined transformers, $55.00

INSULATING MATERIALS (TC 15)

- IEC 60454-3-1 Ed. 2.1 b:2002, Pressure-sensitive adhesive tapes for electrical purposes - Part 3: Specifications for individual materials - Sheet 1: PVC film tapes with pressure-sensitive adhesive, $25.00

LAMPS AND RELATED EQUIPMENT (TC 34)

- IEC 60947-4-1 Ed. 2.1 b:2002, Low-voltage switchgear and controlgear - Part 4-1: Contactors and motor-starters - Electromechanical contactors and motor-starters, $140.00

Incandescent lamps - Safety specifications - Part 3: Tungsten halogen lamps (non-vehicle), $62.00

Safety of electronic equipment within the field of audio/video, information technology and communication technology (TC 108)

- IEC 60950-21 Ed. 1.0 b:2002, Information technology equipment - Safety - Part 21: Remote power feeding, $50.00

Surface Mounting Technology (TC 91)

- IEC 61192-3 Ed. 1.0 b:2002, Workmanship requirements for soldered electronic assemblies - Part 3: Through-hole mount assemblies, $86.00
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.
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 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 973: 2002/prA1, Chemicals used for treatment of water intended for human consumption - Sodium chloride for regeneration of ion exchangers - 3/19/2003, $20.00
pREN 341 REVIEW, Personal protective equipment against falls from a height - Descender devices for rescue - 5/19/2003, $38.00
pREN 442-3 REVIEW, Radiators and convectors - Part 3: Evaluation of conformity - 5/19/2003, $24.00
pREN 813 REVIEW, Personal protective equipment against falls from a height - Sit harnesses - 5/19/2003, $38.00
pREN 1273 REVIEW, Child care articles - Baby walking frames - Safety requirements and test methods - 5/19/2003, $46.00
pREN 13034, Protective clothing against liquid chemicals - Performance requirements for chemical protective suits offering limited protective performance against liquid chemicals (type 6 equipment) - 3/19/2003, $30.00
pREN 13186, Feather and down - Specification for feather and down filled bedding articles - 2/10/2003, $35.00
pREN 13237, Potentially explosive atmospheres - Terms and definitions for equipment and protective systems intended for use in potentially explosive atmospheres - 3/19/2003, $50.00
pREN 13938-2, Explosives for the civil uses - Propellants and rocket propellants - Part 2: Determination of resistance to electrostatic energy - 5/19/2003, $38.00
pREN 14604, Self-contained smoke alarms - 3/19/2003, $88.00
pREN 14605, Protective clothing for use against liquid chemicals - Performance requirements for chemical protective clothing with liquid-tight (type 3) or spray-tight (type 4) connections between parts of the clothing, including items providing protection to parts of the body only - 5/19/2003, $26.00
pREN 14606, Inland navigation vessels - Accessories to anchor equipment - 5/19/2003, $50.00
pREN ISO 20864, Footwear - Test methods for stiffeners and toepuffs - Mechanical characteristics (ISO/DIS 20864: 2002) - 4/19/2003, $38.00

European drafts sent for formal vote (for information)
The following European drafts have been sent to CEN members for formal vote. If the draft is a proposed adoption of an International Standard, it is so noted.
Registration of Organization Names in the United States

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

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

PUBLIC REVIEW

Misys Hospital Systems, Inc. d/b/a Misys Healthcare Systems
Organization: Misys Healthcare Systems
4801 E. Broadway
Tucson, AZ 85711
Contact: Michael Buchanan
PHONE: 520-570-2000; FAX: 520-733-6707
E-mail: Michael.buchanan@misyshealthcare.com
Public review: November 18, 2002 to February 16, 2003

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

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

Proposed Foreign Government Regulations

Call for Comment

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

To distribute information on these proposed foreign technical regulations, the National Center for Standards and Certification Information (NCSCI), National Institute of Standards and Technology (NIST), provides an on-line service - Export Alert! - that allows interested parties to register and obtain notifications, via e-mail, for countries and industry sectors of interest to them. To register, go to http://ts.nist.gov/ncsci and click on "Export Alert!". NCSCI serves as the U.S. WTO TBT inquiry point and receives copies of all notifications, in English, to disseminate to U.S. industry. To obtain copies of the full text of the regulations or for further information, contact NCSCI, NIST, 100 Bureau Drive, Stop 2160, Gaithersburg, MD 20899-2160; telephone (301) 975-4040; fax (301) 926-1559, e-mail - ncsci@nist.gov.

NCSCI will also request an extension of the comment period and transmit comments to the issuing foreign agency for consideration.
ANSI Accreditation Program for Third Party Product Certification Agencies

Notification of Accreditation

National Evaluation Service, Inc.
National Evaluation Service, Inc.’s certification program for design and performance requirements for building products, materials, systems and subsystems with respect to building code compliance was granted accreditation.

Expansion of Scopes

NSF International
NSF International's request for expansion of its existing accredited scope to include non-potentially hazardous food and dietary supplements was granted.

Underwriters Laboratories, Inc.
Underwriters Laboratories, Inc.’s request for expansion of its existing accredited scope to include Licensed Radio Service Equipment was granted for its Camas, WA location.

IAMPO R&T
IAMPO R&T's request for expansion of its existing accredited scope to include mechanical products and components; and food equipment products was granted.

Request for Withdrawal of Accreditation

DIN CERTCO
DIN CERTCO in Berlin, Germany has requested that ANSI withdraw accreditation of its certification program for Accessibility of Products and Designs in Construction for Persons with Disabilities.

ANSI-RAB National Accreditation Program for Quality Management Systems

Applications for Accreditation

Registrars
Hong Kong Quality Assurance Agency and ISC Certification Co., Ltd.

Comment Deadline: March 18, 2003

Hong Kong Quality Assurance Agency, based in Hong Kong, China, and ISC Certification Co., Ltd., based in Guangzhou, China have applied for accreditation under the ANSI-RAB National Accreditation Program for Registrars of Quality Management Systems, a joint program of the American National Standards Institute and the Registrar Accreditation Board.

Comments on the applications of the above registrars are solicited from interested bodies. Please send your comments by March 18, 2003 to Reinaldo Figueiredo, Quality Manager, Conformity Assessment, American National Standards Institute, 1819 L St., NW, 6th Floor, Washington, DC 20036, FAX: (202) 293-9287 or e-mail: RFigueir@ansi.org.

Notices of Accreditation

Course Provider

American Quality and Environmental Group, Ltd.
The ANSI-RAB National Accreditation Program for Quality Management Systems is pleased to announce that the following course provider has earned accreditation:

Paul Andre
4803 North Milwaukee Avenue
Chicago, IL 60630
PHONE: (773) 685-0400
FAX: (773) 685-0451
E-mail: aqechi@aol.com

Registrars

Guangdong Audit & Certification Center of Quality
The ANSI-RAB National Accreditation Program for Quality Management Systems is pleased to announce that the following registrar has earned accreditation:

Jeff Ren
22F West Tower Fuxing Building No 159
Huangpu Dadao West, Tianhe District
Guangzhou, Guangdong, 510620 China
PHONE: 86-20-87589587
FAX: 86-20-87519427
E-mail: gacccorp@gdgz.cnuninet.net

Platinum Registration, Inc.
The ANSI-RAB National Accreditation Program for Quality Management Systems is pleased to announce that the following registrar has earned accreditation:

Kerri Gray
4340 East Kentucky Avenue
Suite 405
Glendale, CO 80246-2060
PHONE: (303) 913 7281
FAX: (303) 722-3847
E-mail: kerrigray@platinumregistration.com

International Organization for Standardization (ISO)

Change in Secretariat

ISO/TC 44/SC 3 - Welding consumables
Comment Deadline: February 10, 2003

ANSI has been advised that Sweden (SIS) wishes to relinquish the Secretariat of this International Subcommittee.

The scope of ISO/TC 44 as follows:

Standardization of welding, by all processes, as well as allied processes; these standards include terminology, definitions and the symbolic representation of welds on drawings, apparatus and equipment for welding, raw materials (gas, parent and filler metals) welding processes and rules, methods of test and control, calculations and design of welded assemblies, welders’ qualifications, as well as safety and health

Excluded: electrical safety matters related to welding which are the responsibility of IEC/TC 26.
The American Welding Society (AWS) has requested they be delegated, on behalf of ANSI, the Secretariat of SC 3. Anyone wishing to comment on the delegation of this SC Secretariat to AWS, please contact Henrietta Scully via email: hscully@ansi.org; mail: c/o ANSI, 25 West 43rd Street, New York, NY 10036; or fax to (212) 730-1346 by February 10, 2003.

International Electrotechnical Commission (IEC)

Appropriate USNC/IEC Interface with Expanded IEC TC 8

During the October 2001 meeting of the IEC Standardization Management Board (SMB), in Florence, an Ad Hoc Group was established with the task to investigate standardization subjects in the field of services associated with the deregulation of the energy market.

The recommendation of this AHG was to enlarge the scope of IEC TC 8 and to adopt a system approach and consequently to consider system aspects characterizing a deregulated electrical energy supply market, with the co-operation of other TCs that are covering different aspects of this matter.

The SMB approved the recommendation and amplified it at subsequent meetings.

The previous scope of IEC/TC 8 was to standardize voltages, current ratings and frequencies.

- **New Title of TC:** SYSTEM ASPECTS FOR ELECTRICAL ENERGY SUPPLY
- **New Scope:**
  To prepare the necessary standards framework and coordinate the development, in co-operation with other TC/SCs, of the international standards needed to facilitate the functioning of electricity supply systems in open markets.
  This includes in particular the following interactions and aspects:
  - **Terminology**
  - **Availability of supply**
    - connectivity,
    - continuity of service,
    - balance of energy,
    - contingency planning,
    - stability,
    - islanding.
  - **Connection practices**
    - production,
    - consumption,
    - planning data,
    - load profile.
  - **Measurement**
    - data exchange and balancing
      - data acquisition and aggregation,
      - settlement,
      - exchange of data, identification schemes,
      - billing,
      - load profiles.
  - **Communication**
    - operational safety,
    - security.
  - **Network responsibility**
    - operational safety,
    - security.
  - **Charging mechanisms for use of public supply systems**
  - **Maintenance**
  - **Outsourcing of network related services**
  - **Characteristics of energy supply**
    - Nominal values and tolerances of voltages, currents and frequencies of generation, transmission, distribution and utilization systems.
    - Parameters defining quality of supply (continuity + power quality) at the interfaces between generators, users and HV, MV and LV networks.

At the present time the U.S. National Committee for IEC is a NON-MEMBER of the current TC 8 and a decision has to be made as to the appropriate US interface with the expanded TC 8. If the USNC is to register as a "P"articipating Member of the expanded TC, a TAG Administrator will have to be assigned, a Technical Advisor appointed and a Technical Advisory Group established. In order to determine interest in this activity a Fact Finding meeting of all potential interests is being planned for the near term future. Anyone interested in this activity and particularly entities interested in serving as TAG Administrator are invited to express their interest to Charles T. Zegers, General Secretary, USNC/IEC, American National Standards Institute, 25 West 43rd Street, 4th Floor, New York, NY 10036, PHONE: (212) 642-4965; FAX: (212) 730-1346; E-mail: czegers@ansi.org.