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American National Standards

Call for comment on proposals listed

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

Ordering Instructions for "Call-for-Comment" Listings

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

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

★ Standard for consumer products

Comment Deadline: January 30, 2005

TCIA (ASC A300) (Tree Care Industry Association)

New Standards

BSR A300 (Part 6)-200x, Tree Care Operations - Tree, Shrub, and Other Woody Plant Maintenance - Standard Practices (Transplanting) (new standard)

ANSI A300 standards present performance standards for the care and maintenance of trees, shrubs, and other woody plants. The purpose of this document is to provide standards for developing specifications for transplanting and planting trees and shrubs.

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

Send comments (with copy to BSR) to: Robert Rouse, TCIA (ASC A300); Rouse@treecareindustry.org

Comment Deadline: February 14, 2005

ADA (American Dental Association)

Reaffirmations

BSR/ADA 6-1987 (R200x), Dental Mercury (reaffirmation of ANSI/ADA 6-1987 (R1995))

This standard specifies the requirements and test methods for mercury suitable for the preparation of dental amalgam and the requirements for packaging and marking.

Single copy price: \$25.00

Order from: Thelma Drawhorn, ADA; drawhornt@ada.org
Send comments (with copy to BSR) to: Same

BSR/ADA 43-1986 (R200x), Electrically Powered Dental Amalgamators (reaffirmation of ANSI/ADA 43-1986 (R1995))

This specification is for mechanical dental amalgamators used for the mixing of alloy and mercury to make dental amalgam. It includes multipurpose devices but is restricted to their function of triturating alloy and mercury to produce dental amalgam.

Single copy price: \$25.00

Order from: Thelma Drawhorn, ADA; drawhornt@ada.org
Send comments (with copy to BSR) to: Same

AHAM (Association of Home Appliance Manufacturers)

New Standards

BSR/AHAM CM-1-200x, Household Electric Coffee Makers (new standard)

This standard establishes uniform methods for measuring specified product characteristics of household electric coffee makers.

Single copy price: Free

Order from: Ramona Saar, AHAM; rsaar@aham.org
Send comments (with copy to BSR) to: Same

BSR/AHAM DW-1-200x, Household Electric Dishwashers (new standard)

This standard establishes uniform, repeatable procedures or standard methods for measuring specified product characteristics of household electric dishwashers. The standard includes definitions, methods for testing and evaluating dishwasher cleaning performance.

Single copy price: Free

Order from: Ramona Saar, AHAM; rsaar@aham.org
Send comments (with copy to BSR) to: Same

API (American Petroleum Institute)

New National Adoptions

BSR/API RP 10B-5/ISO 10426-5-200x, Recommended Practice on Determination of Shrinkage and Expansion of Well Cement Formulations at Atmospheric Pressure (identical national adoption)

Provides the methods for testing of well cement formulations to determine the dimension changes during the curing process (cement hydration) at atmospheric pressure only. This is a base document, because under real well-cementing conditions shrinkage and expansion take place under pressure and different boundary conditions.

Single copy price: \$25.00

Order from: Carriann Kuryla, API (Organization); kurylac@api.org
Send comments (with copy to BSR) to: Same

ASAE (American Society of Agricultural Engineers)

Reaffirmations

BSR/ASAE S331.5-DEC82 (R200x), Implement Power Take-Off Driveline Equipment Specifications (reaffirmation of ANSI/ASAE S331.5-DEC82 (RJUNE00))

The purpose of this Standard is to establish eight categories of universal joint drivelines with two subsets of connecting members each, one heavy duty, HD, and one regular duty, RD. The intended use of the drivelines is between tractor power take-off shafts and implement input shafts, or any universal joint application within the implement.

Single copy price: \$40.00

Order from: Carla Miller, ASAE; cmiller@asae.org
Send comments (with copy to BSR) to: Same

BSR/ASAE S422-MAR95 (R200x), Mapping Symbols and Nomenclature for Erosion and Sediment Control Plans for Land Disturbing Activities (reaffirmation of ANSI/ASAE S422-MAR95 (RJUNE00))

The purpose of this Standard is to establish a list of standard mapping symbols for use in erosion and sediment control plan development. This Standard facilitates the use and review of such plans by contractors and other professionals. This Standard will not restrict creation of additional symbols as required for practices not included here.

Single copy price: \$40.00

Order from: Carla Miller, ASAE; cmiller@asae.org
Send comments (with copy to BSR) to: Same

ATIS (Alliance for Telecommunications Industry Solutions)

Revisions

BSR/ATIS 0150200-200x, System M-NTSC Television Signals - Network Interface Specifications and Performance Parameters (revision and redesignation of ANSI T1.502-1998)

This standard covers interface and performance specifications of television transmission service channels. Hypothetical reference channels have been defined and utilized to apportion performance parameters. Television signals created or transmitted in accordance with other standards or make-ups may not necessarily be compatible with the specifications of this standard.

Single copy price: \$164.00

Order from: Aivelis Colon, ATIS; acolon@atis.org
Send comments (with copy to BSR) to: Same

NEMA (ASC C8) (National Electrical Manufacturers Association)

New Standards

- ★ BSR/ICEA S-103-701-200x, Riser Cable (new standard)
Establishes generic technical requirements that may be referenced by individual telecommunications cable specifications covering products intended for normal indoor premises use in the wiring systems of communications users.
Single copy price: \$114.50
Order from: Andrei Moldoveanu, NEMA (ASC C8);
and_moldoveanu@nema.org
Send comments (with copy to BSR) to: Same
- ★ BSR/ICEA S-109-709-200x, Distribution Frame-Wire, Technical Requirements (new standard)
Covers mechanical and electrical requirements for insulated, copper conductor wires, intended primarily for use as a telecommunications central office distribution frame wire.
Single copy price: \$77.50
Order from: Andrei Moldoveanu, NEMA (ASC C8);
and_moldoveanu@nema.org
Send comments (with copy to BSR) to: Same

NEMA (ASC C82) (National Electrical Manufacturers Association)

Revisions

- BSR C82.6-200x, Ballasts for High Intensity Discharge Lamps - Method of Measurement (revision of ANSI C82.6-1985 (R2003))
This standard describes the procedures to be followed and the precautions to be taken in measuring performance of ballasts for high-intensity discharge (HID) lamps.
Single copy price: \$84.00
Order from: Randolph N. Roy, NEMA (ASC C82); ran_roy@nema.org
Send comments (with copy to BSR) to: Same

NPES (ASC B65) (Association for Suppliers of Printing, Publishing and Converting Technologies)

Revisions

- BSR B65.1-200x, Graphic technology - Safety standard - Printing press systems (revision of ANSI B65.1-1995)
This standard applies to printing press systems, including auxiliary equipment and finishing machines, in which all the machine actuators (e.g., drives) of the equipment in the system are controlled by the same control system. This standard provides safety requirements for the design, construction and use of printing press systems. It addresses recognized hazards specific to printing press systems in the following areas; mechanical; electrical; slipping, tripping, falling; ergonomics; noise; radiation; explosion; fire; temperature; and impact.
Single copy price: \$10.00
Order from: Morgen Dailey, NPES (ASC B65); mdailey@npes.org
Send comments (with copy to BSR) to: Same

NSF (NSF International)

New Standards

- BSR/NSF 143-200x (i1), Environmentally Preferable Products: Hard Surface Cleaners (new standard)
Issue 1: The purpose is to establish requirements for a Product Development Process-Environmental Management System (PDP-EMS) to control the environmental impacts produced by hard surface cleaner products.
Single copy price: \$35.00
Order from: <http://www.nsf.org/>
Send comments (with copy to BSR) to: Brian Zamora, c/o Jaclyn Bowen, NSF: bowen@nsf.org

TCIA (ASC A300) (Tree Care Industry Association)

New Standards

- BSR A300 (Part 7)-200x, Tree Care Operations - Tree, Shrub and Other Woody Plant Maintenance: Standard Practices - Part 7 - Integrated Vegetation Management (new standard)
ANSI A300 standards present performance standards for the care and maintenance of trees, shrubs, and other woody plants. The purpose of this document is to provide standards for developing specifications to implement an integrated approach to management of vegetation on rights of way.
Single copy price: Free, plus \$5.50 S&H (for hard copy)
Order from: Robert Rouse, TCIA (ASC A300);
Rouse@treecareindustry.org
Send comments (with copy to BSR) to: Same

TIA (Telecommunications Industry Association)

Supplements

- BSR/TIA 568-B.2-11-200x, Specification for Increased Diameter of 4-Pair UTP and SCTP Cable (supplement to ANSI/TIA 568-B.2-2001)
This Standard specifies the requirements for the cable diameter of 4-pair balanced UTP and SCTP cables specified in TIA 568-B.2.
Single copy price: \$35.00
Order from: Global Engineering Documents; www.global.ihs.com;
800-854-7179
Send comments (with copy to BSR) to: swhite@tiaonline.org

Comment Deadline: March 1, 2005

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

ASME (American Society of Mechanical Engineers)

Revisions

- BSR/ASME A112.4.7-200x, Point of Use and Branch Water Sub-Metering Systems (revision of ANSI/ASME A112.4.7-2002)
Establishes the physical and accuracy requirements, and test methods that pertain to point of use and branch submetering systems applied in the plumbing systems serving a single residence downstream of the main utility meter.
Single copy price: \$20.00
Order from: Mayra Santiago, ASME; ANSIBOX@asme.org
Send comments (with copy to BSR) to: Calvin Gomez, ASME: M/S20S2

AWWA (American Water Works Association)

New Standards

- BSR/AWWA C713-2000, Cold-Water Meters - Fluidic Oscillator Type (new standard)
This standard describes cold-water fluidic oscillator meters with brass main cases in sizes 1/2 in (13 mm) through 2 in (50 mm), and the materials and workmanship employed in their fabrication. The basis for volume measurement is a transducer element that senses and utilizes fluidic oscillation rather than a moving measurement element as required in traditional cold-water volumetric meters.
Single copy price: \$20.00
Order from: Jim Wailes, AWWA; jwailes@awwa.org
Send comments (with copy to BSR) to: Same

Revisions

BSR/AWWA C651-1999, Disinfecting Water Mains (revision of ANSI/AWWA C651-1999)

This standard describes essential procedures for the disinfection of new and repaired potable water mains. New water mains shall be disinfected before they are placed in service. Water mains taken out of service for inspection, repair, or other activities that might lead to contamination of water shall be disinfected before they are returned to service.

Single copy price: \$20.00

Order from: Jim Wailes, AWWA; jwailes@awwa.org
Send comments (with copy to BSR) to: Same

BSR/AWWA C800-200x, Underground Service Line Valves and Fittings (revision of ANSI/AWWA C800-2001)

This standard covers valves, fittings, service saddles, and meter setters for use in service line from the main through the meter valve or meter setting appurtenance. Valves, fittings, service saddles and meter setters covered in this standard include 1/2 in (12.7 mm) through 2 in (50.8 mm).

Single copy price: \$20.00

Order from: Jim Wailes, AWWA; jwailes@awwa.org
Send comments (with copy to BSR) to: Same

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

- ★ BSR Z21.18b-200x, Gas Appliances Pressure Regulators (Same as CSA 6.3b) (revision of ANSI Z21.18-2000, ANSI Z21.18a-2001, ANSI Z21.18b-2000)

Details test and examination criteria for gas appliance pressure regulators for use with natural, manufactured and mixed gasses, liquefied petroleum gasses and LP gas-air mixtures. Such devices, either individually or in combination with other controls, are intended to control selected outlet gas pressures to individual gas appliances.

Single copy price: \$50.00

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

BSR Z21.20-200x, Automatic Gas Ignition Systems and Components (revision, redesignation and consolidation of ANSI Z21.20-2000, ANSI Z21.20a-2000 and ANSI Z21.20b-2001)

Details test and examination of criteria for complete burner ignition systems, and components that perform one or more of the following functions:

- Ignite the fuel at the main burner(s), or at the pilot burner(s);
- Prove the presence of either the ignition source, or main burner flame;
- Automatically act to shut off the fuel supply to the burner(s), when the supervised flame or ignition source is not proved; and
- Shut off the gas supply when the oxygen content in the room is reduced to a predetermined level.

Single copy price: \$50.00

Order from: Allen Callahan, CSA; al.callahan@csa-america.org
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BSR Z21.21-200x, Automatic Valves for Gas Appliances (same as CSA 6.5) (revision, redesignation and consolidation of ANSI Z21.21-2000, ANSI Z21.21a-2000 and ANSI Z21.21a-2001)

Details test and examination criteria for individual automatic valves, valves utilized as parts of automatic gas ignition systems, or the automatic valve function of combination controls, which have maximum operating pressure ratings of 1/2 psi, 2 psi, 5 psi, or higher than 5 psi in 5 psi increments up to and including a maximum operating pressure of 60 psi. This standard does not apply to self-contained automatic gas shutoff valves for hot water supply systems.

Single copy price: \$50.00

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

- ★ BSR Z21.23b-200x, Gas Appliance Thermostats (revision, redesignation and consolidation of ANSI Z21.23-2000 and Z21.23a-2003)

Details test and examination criteria for integral gas valve type and electric type thermostats which are used as integral parts of gas-burning appliances. It presents minimum levels for the substantial and durable construction, safe operation and acceptable performance for such thermostats. The standard does not apply to wall-mounted thermostats for comfort heating control.

Single copy price: \$50.00

Order from: Allen Callahan, CSA; al.callahan@csa-america.org
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BSR Z21.35-200x, Pilot Gas Filters (same as CSA 6.8) (revision, redesignation and consolidation of ANSI Z21.35-1995 (R2002), ANSI Z21.35a-1997 (R2002), ANSI Z21.35b-2000 (R2002))

Details test and examination criteria for gas filters for gas-burning appliances that are intended to protect pilot-limiting orifices from stoppage, clogging or reduced gas flow due to finely divided particles in the gas.

Single copy price: \$50.00

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

BSR Z21.71a-200x, Automatic Intermittent Pilot Ignition Systems for Field Installation (revision of ANSI Z21.71-1993 (R2002))

Details test and examination criteria for gas-fired illuminating appliances for use with fuel gases such as natural gas, manufactured gas, mixed gas, liquefied petroleum gases, and LP gas-air mixtures.

Single copy price: \$50.00

Order from: Allen Callahan, CSA; al.callahan@csa-america.org
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BSR Z21.77-200x, Manually Operated Piezo-Electric Spark Gas Ignition Systems and Components (Same as CSA 6.23) (revision of ANSI Z21.77-1995 (R2002), ANSI Z21.77a-1997 (R2002))

Details test and examination criteria for manually operated piezo-electric spark gas ignition systems and components, designed to ignite an appliance burner(s), for use with natural, manufactured or mixed gases, liquefied petroleum gases or LP gas-air mixtures.

Single copy price: \$50.00

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

BSR Z21.78-200x, Combination Gas Controls for Gas Appliances (Same as CSA 6.20) (revision of ANSI Z21.78-2000, ANSI Z21.78a-2001 and ANSI Z21.78b-2003,)

Details test and examination criteria for combination gas controls for gas appliances that have a maximum operating gas pressure of 1/2 psi. A combination gas control is defined as an assembly of two or more different functions, one of which conveys gas in a single unit without the use of pipe nipples. These include manually operated gas valve(s), a gas pressure regulator, automatic valve(s), a thermostat (other than an electric type), ignition system components and an automatic gas shutoff device.

Single copy price: \$50.00

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

BSR Z21.79a-200x, Gas Appliance Sediment Traps (Same as CGA 6.21a) (revision of ANSI Z21.79-1997 (R2002), ANSI Z21.79a-1997)

Details test and examination criteria for gas appliance sediment traps having a maximum operating gas pressure rating of 1/2 psig. A sediment trap is defined as a device intended to protect appliance gas controls from dirt and foreign particles that may be present in the piping.

Single copy price: \$50.00

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

BSR Z21.80a-200x, Line Pressure Regulators (Same as CSA 6.22a)
(revision of ANSI Z21.80-2002, ANSI Z21.80a-2000)

Details test and examination criteria for line pressure regulators, either individual or in combination with over pressure protection devices intended for application in natural gas piping systems between the service regulator and the gas appliance(s). This standard applies to regulators rated at 2, 5, or 10 psi with maximum outlet pressure of 1/2 or 2 psi, depending on the intended application.

Single copy price: \$50.00

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BSR Z21.87b-200x, Automatic Gas Shutoff Devices for Hot Water
Supply Systems (Same as CSA 4.6b) (revision of ANSI Z21.87-1999,
ANSI Z21.87a-2004)

Details test and examination criteria for line pressure regulators, either individual or in combination with over pressure protection devices intended for application in natural gas piping systems between the service regulator and the gas appliance(s). This standard applies to regulators rated at 2, 5, or 10 psi with maximum outlet pressure of 1/2 or 2 psi, depending on the intended application.

Single copy price: \$50.00

Order from: Allen Callahan, CSA; al.callahan@csa-america.org
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BSR Z21.92a-200x, Manually Operated Electric Gas Ignition Systems
and Components (Same as CSA 6.29a) (revision of ANSI
Z21.92-2001)

Details test and examination criteria for manually operated electric gas ignition systems and components that are intended to form an integral part of a gas appliance and requires a manual operation to initiate an ignition attempt; utilizes electrical energy to ignite gas at an appliance burner(s), and does not control gas flow.

Single copy price: \$50.00

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

EIA (Electronic Industries Alliance)

New Standards

BSR/EIA PN-4904-200x, Molded Tantalum Chip Capacitor with Polymer
Cathode (new standard)

Describes a polar, nonhermetically sealed chip capacitor with conductive polymer counterelectrode and porous tantalum anode.

Single copy price: \$48.00

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

Send comments (with copy to BSR) to: Cecelia Yates, EIA;
cyates@eca.us.org

IEEE (Institute of Electrical and Electronics Engineers)

New Standards

BSR/IEEE 344-200x, Recommended Practice for Seismic Qualification
of Class 1E Equipment for Nuclear Power Generating Stations (new
standard)

Describes recommended practices for establishing seismic qualification procedures that will yield quantitative data to demonstrate that the Class 1E equipment can meet its performance requirements during and/or following one safe shutdown earthquake (SSE) event preceded by a number of operating basis earthquake (OBE) events.

Single copy price: N/A

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

BSR/IEEE 643-200x, Guide for Power-Line Carrier Applications (new
standard)

Provides application information to users of carrier equipment as applied on power transmission lines.

Single copy price: N/A

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

BSR/IEEE 1012-200x, Standard for Software Verification and Validation
(new standard)

Addresses all software life cycle processes including acquisition, supply, development, operation, and maintenance. Applies to software being acquired, developed, maintained, or reused (legacy, modified, Commercial Off The Shelf [COTS], Non-Developmental Items [NDI]).

Single copy price: N/A

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fax:+1-732-981-9667; online: <http://shop.ieee.org/store/>
Send comments (with copy to BSR) to: David Ringle, IEEE;
d.ringle@ieee.org

- ★ BSR/IEEE 1076.1.1-200x, Standard VHDL Analog and Mixed-Signal
Extensions - Packages for Multiple Energy Domain Support (new
standard)

Defines a collection of VHDL Std. 1076.1 packages, compatible with IEEE Std. 1076.1-1999, IEEE Standard VHDL Analog and Mixed-Signal Extensions, along with recommendations for conforming use, in order to facilitate the interchange of simulation models of physical components and subsystems. The packages include the definition of standard types, subtypes, natures and constants for modeling in multiple energy domains (electrical, fluidic, mechanical, etc.).

Single copy price: N/A

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fax:+1-732-981-9667; online: <http://shop.ieee.org/store/>
Send comments (with copy to BSR) to: David Ringle, IEEE;
d.ringle@ieee.org

BSR/IEEE 1289-200x, Guide for the Application of Human Factors
Engineering in the Design of Computer-Based Monitoring and Control
Displays for Nuclear Power Generating Stations (new standard)

Provides system design considerations, identifies information display and control techniques for use with computer-based displays, and provides human factors engineering guidance for the use of these techniques in nuclear power generating stations.

Single copy price: \$95.00 (Non-member); \$75.00 (IEEE Member)

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

BSR/IEEE 1394.1-200x, Standard for High Performance Serial Bus Bridges (new standard)

Intends to standardize the model, definition and behaviors of High Performance Serial Bus bridges, which are devices that may be used to interconnect two separately enumerable buses.

Single copy price: N/A

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

BSR/IEEE 1441-200x, Guide for Inspection of Overhead Transmission Line Construction (new standard)

Covers the inspection procedures and practices for right-of-way issues, foundations, structures, and wire installation for overhead lines.

Single copy price: N/A

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

BSR/IEEE 1621-200x, Standard for User Interface Elements in Power Control of Electronic Devices Employed in Office/Consumer Environments (new standard)

Covers the user interface for the power status control of electronic devices that ordinary people commonly interact with in their work and home lives, including, but not limited to, office equipment and consumer electronics. Key elements are terms, symbols, and indicators.

Single copy price: N/A

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

BSR/IEEE C57.19.00-200x, Standard General Requirements and Test Procedure for Power Apparatus Bushings (new standard)

Applies to power apparatus bushings that have basic impulse insulation levels of 110 kV and above for use as components of oil-filled transformers and oil-filled reactors. Defines the special terms used, service conditions, rating, general requirements, and test procedure for apparatus bushings.

Single copy price: N/A

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

New National Adoptions**BSR/IEEE 15288-200x, Systems Engineering - System Life Cycle Processes (identical national adoption)**

Provides a common process framework covering the life cycle of man-made systems. This life cycle spans the conception of ideas through to the retirement of a system. It provides the processes for acquiring and supplying systems. In addition, the framework provides for the assessment and improvement of the life cycle processes.

Single copy price: N/A

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

Revisions**BSR/IEEE C62.32-200x, Standard Test Methods for Low-Voltage Air Gap Surge-Protective Device Components (Excluding Valve and Expulsion Types) (revision of ANSI/IEEE C62.32-1981 (R1997))**

Applies to air gaps for over-voltage protection applications on systems with operating voltages equal to or less than 600 Vrms. These protective devices are designed for limiting the voltages on balanced or unbalanced communication and signaling circuits. Contains a series of standard tests for determining the electrical characteristics of these air gap devices.

Single copy price: N/A

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fax:+1-732-981-9667; online: <http://shop.ieee.org/store/>
Send comments (with copy to BSR) to: David Ringle, IEEE;
d.ringle@ieee.org

Reaffirmations**BSR/IEEE 352-1994 (R200x), Guide for General Principles of Reliability Analysis of Nuclear Power Generating Station Safety Systems (reaffirmation of ANSI/IEEE 352-1994 (R1999))**

Provides the designers and operators of nuclear power plant safety systems and the concerned regulatory groups with the essential methods and procedures of reliability engineering that are applicable to such systems.

Single copy price: \$122.00 (Non-member); \$98.00 (IEEE Member)

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

BSR/IEEE 421.3-1997 (R200x), Standard for High-Potential Test Requirements for Excitation Systems for Synchronous Machines (reaffirmation of ANSI/IEEE 421.3-1997)

Establishes requirements for high-potential dielectric testing of complete excitation systems and their components for synchronous machines.

Single copy price: \$86.00 (Non-member); \$69.00 (IEEE Member)

Order from: IEEE Customer Service, phone: +1-800-678-4333;
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d.ringle@ieee.org

BSR/IEEE 933-1999 (R200x), Guide for the Definition of Reliability Program Plans for Nuclear Power Generating Stations (reaffirmation of ANSI/IEEE 933-1999)

Provides guidance for the definition of a reliability program at nuclear power generating stations. Emphasizes reliability programs during the operating phase of such stations; however, the general approach applies to all phases of the nuclear power generating station life cycle (e.g., design, construction, start-up, operating, and decommissioning).

Single copy price: \$105.00 (Non-member); \$60.00 (IEEE Member)

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BSR/IEEE 1499-1998 (R200x), Standard Interface for Hardware Description Models of Electronic Components (reaffirmation of ANSI/IEEE 1499-1998)

Defines an open interface between models and simulators that enables model interoperability while protecting the model provider's intellectual property. This software interface is called the Open Model Interface (OMI). Permits an OMI-compiled model to be used with any OMI-compliant application that supports that class of OMI model, regardless of the programming language in which the model was developed.

Single copy price: \$96.00 (Non-member); \$77.00 (IEEE Member)

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BSR/IEEE C37.113-1999 (R200x), Guide for Protective Relay
Applications to Transmission Lines (reaffirmation of ANSI/IEEE
C37.113-1999)

Describes accepted transmission line protection schemes and the
different electrical system parameters and situations that affect their
application.

Single copy price: \$40.00 (Non-member); \$30.00 (IEEE Member)

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Send comments (with copy to BSR) to: David Ringle, IEEE;
d.ringle@ieee.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.

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211 East Chicago Avenue
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Fax: (312) 440-2529
- AHAM**
Association of Home Appliance
Manufacturers
1111 19th Street N.W.
Suite 402
Washington, DC 20036
Phone: (202) 872-5955 x314
Fax: (202) 872-9354
Web: www.aham.org
- API (Organization)**
American Petroleum Institute
1220 L Street, N.W.
Washington, DC 20005
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Fax: (202) 962-4797
Web: www.api.org
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American Society of Agricultural
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2950 Niles Road
St. Joseph, MI 49085-9659
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- ASME**
American Society of Mechanical
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3 Park Avenue, 20th Floor (20N2)
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Fax: (212) 591-8501
Web: www.asme.org
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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
- AWWA**
American Water Works
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6666 West Quincy Avenue
Denver, CO 80235
Phone: (303) 347-6177
Fax: (303) 795-7603
Web:
www.awwa.org/asp/default.asp
- CSA**
CSA International
8501 East Pleasant Valley Road
Cleveland, OH 44131-5575
Phone: (216) 524-4990
Fax: (216) 642-3463
Web:
www.csa.ca/english/home/index.htm
- Global Engineering Documents**
Global Engineering Documents
15 Inverness Way East
Englewood, CO 80112-5704
Phone: (800) 854-7179
Fax: (303) 379-2740
- IEEE**
Institute of Electrical and
Electronics Engineers (IEEE)
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Phone: (732) 562-3806
Fax: (732) 562-1571
Web: www.ieee.org
- NEMA (ASC C78)**
National Electrical Manufacturers
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1300 North 17th Street, Suite 1847
Rosslyn, VA 22209
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Fax: (703) 841-3377
Web: www.nema.org
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National Electrical Manufacturers
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Phone: (703) 841-3290
Fax: (703) 841-3398
Web: www.nema.org
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NPES The Association for
Suppliers of Printing, Publishing
and Converting
1899 Preston White Drive
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Phone: (703) 264-7200
Fax: (703) 620-0994
Web: www.npes.org
- NSF**
NSF International
789 N. Dixboro Rd
Ann Arbor, MI 48105
Phone: (734) 769-5139
Fax: (734) 827-6162
Web: www.nsf.org
- TCIA (ASC A300)**
ASC A300
3 Perimeter Road - Unit 1
Manchester, NH 03103
Phone: (603) 314-5380
Fax: (603) 314-5386
Web: www.natlarb.com/

Send comments to:

- ADA**
American Dental Association
211 East Chicago Avenue
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Fax: (312) 440-2529
- AHAM**
Association of Home Appliance
Manufacturers
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Suite 402
Washington, DC 20036
Phone: (202) 872-5955 x314
Fax: (202) 872-9354
Web: www.aham.org
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- AWWA**
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- CSA**
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- EIA**
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Web: www.ieee.org
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Phone: (703) 841-3277
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Web: www.nema.org
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1300 North 17th Street, Suite 1847
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Fax: (703) 841-3398
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- NPES (ASC B65)**
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Fax: (603) 314-5386
Web: www.natlarb.com/
- TIA**
Telecommunications Industry
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2500 Wilson Boulevard
Suite 300
Arlington, VA 22201-3834
Phone: (703) 907-7706
Fax: (703) 907-7727
Web: www.tiaonline.org

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.

AGMA (American Gear Manufacturers Association)

Reaffirmations

ANSI/AGMA 2011-A98 (R2004), Cylindrical Wormgearing Tolerance and Inspection Methods (reaffirmation of ANSI/AGMA 2011-A98): 12/20/2004

ANSI/AGMA 2111-A98 (R2004), Cylindrical Wormgearing Tolerance and Inspection Methods (Metric) (reaffirmation of ANSI/AGMA 2111-A98): 12/20/2004

ANSI/AGMA 2114-A98 (R2004), Measuring Instrument Calibration, Gear Pitch and Runout Measurements (reaffirmation of ANSI/AGMA 2114-A98): 12/20/2004

ASC X9 (Accredited Standards Committee X9, Incorporated)

Withdrawals

ANSI X9.29-1998, Check Carrier Envelope Specifications (withdrawal of ANSI X9.29-1998): 12/20/2004

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

Revisions

★ ANSI Z21.5.1b-2004, Gas Clothes Dryers Volume I, Type 1 Clothes Dryers (same as CSA 7.1b) (revision of ANSI Z21.5.1-2002, ANSI Z21.5.1a-2002): 12/20/2004

★ ANSI Z21.5.2-2004, Gas Clothes Dryers Volume II, Type 2 Clothes Dryers (same as CSA 7.2) (revision of ANSI Z21.5.2-2001, ANSI Z21.5.2a-2002, ANSI Z21.5.2b-2003): 12/20/2004

ANSI Z83.4a-2004, Non-Recirculating Direct Gas-Fired Industrial Air Heaters (same as CSA 3.7a) (revision of ANSI Z83.4-2003): 12/20/2004

ANSI Z83.18-2004, Recirculating Direct Gas-Fired Industrial Air Heaters (revision of ANSI Z83.18-2000, Z83.18a-2001 and Z83.18b-2003): 12/20/2004

IEEE (Institute of Electrical and Electronics Engineers)

New Standards

ANSI/IEEE C57.91-2004, Guide for Loading Mineral-Oil-Immersed Transformers (new standard): 12/21/2004

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

Reaffirmations

ANSI INCITS 53-1976 (R2004), Programming Language PL/I (reaffirmation of ANSI INCITS 53-1976 (R1998)): 12/21/2004

ANSI INCITS 74-1987 (R2004), Information Systems - Programming Language - PL/I General-Purpose Subset (reaffirmation of ANSI INCITS 74-1987 (R1998)): 12/21/2004

ANSI INCITS 148-1988 (R2004), Information Systems - Fiber Distributed Data Interface (FDDI) - Token Ring Physical Layer Protocol (PHY) (reaffirmation of ANSI INCITS 148-1988 (R1999)): 12/21/2004

ANSI INCITS 229-1994 (R2004), Information Systems - Fibre Distributed Data Interface (FDDI) - Station Management (SMT) (reaffirmation of ANSI INCITS 229-1994 (R1999)): 12/21/2004

ANSI INCITS 231-1994 (R2004), Information Systems - Fibre Distributed Data Interface (FDDI) - Physical Layer Protocol (PHY-2) (reaffirmation of ANSI INCITS 231-1994 (R1999)): 12/21/2004

ANSI INCITS 238-1994 (R2004), Information Technology - Programming Language - PL/B (reaffirmation of ANSI INCITS 238-1994 (R1999)): 12/21/2004

ANSI INCITS 239-1994 (R2004), Information Systems - Fibre Distributed Data Interface (FDDI) - Token Ring Media Access Control-2 (MAC-2) (reaffirmation of ANSI INCITS 239-1994 (R1999)): 12/21/2004

INCITS/ISO 1073-1-1976 (R2004), Alphanumeric Character Sets for Optical Recognition - Part 1: Character Set OCR-A - Shapes and Dimensions of the Printed Image (reaffirmation of INCITS/ISO 1073-1-1976): 12/21/2004

INCITS/ISO 2033-1983 (R2004), Information Processing - Coding of Machine Readable Characters (MICR and OCR) (reaffirmation of INCITS/ISO 2033-1983): 12/21/2004

INCITS/ISO 6586-1980 (R2004), Data Processing - Implementation of the ISO 7-Bit and 8-Bit Coded Character Sets on Punched Cards (reaffirmation of INCITS/ISO 6586-1980): 12/21/2004

INCITS/ISO/IEC 646-1991 (R2004), Information Technology - ISO 7-Bit Coded Character Set for Information Interchange (reaffirmation of INCITS/ISO/IEC 646-1991): 12/21/2004

INCITS/ISO/IEC 1539-2-1994 (R2004), Information Technology - Programming Languages - FORTRAN - Part 2: Varying Length Character Strings (reaffirmation of INCITS/ISO/IEC 1539-2-1994): 12/21/2004

INCITS/ISO/IEC 2022-1994 (R2004), Information Technology - Character Code Structure and Extension Techniques (reaffirmation of INCITS/ISO/IEC 2022-1994): 12/21/2004

INCITS/ISO/IEC 7350-1991 (R2004), Information Technology - Registration of Repertoires of Graphic Characters from ISO/IEC 10367 (reaffirmation of INCITS/ISO/IEC 7350-1991): 12/21/2004

INCITS/ISO/IEC 8859-1-1998 (R2004), Information Processing - 8-Bit Single Byte Coded Graphic Character Sets - Part 1: Latin Alphabet No. 1 (reaffirmation of INCITS/ISO/IEC 8859-1-1998): 12/21/2004

INCITS/ISO/IEC 8859-4-1998 (R2004), Information Technology - 8-bit Single-byte Coded Graphic Character Sets - Part 4: Latin Alphabet No. 4 (reaffirmation of INCITS/ISO/IEC 8859-4-1998): 12/21/2004

INCITS/ISO/IEC 8859-10-1998 (R2004), Information Technology - 8-bit Single-Byte Coded Graphic Character Sets - Part 10: Latin Alphabet No. 6 (reaffirmation of INCITS/ISO/IEC 8859-10-1998): 12/21/2004

INCITS/ISO/IEC 9160-1988 (R2004), Information Processing - Data Encipherment - Physical Layer Interoperability Requirements (reaffirmation of INCITS/ISO 9160-1988): 12/21/2004

INCITS/ISO/IEC 9592-1-1989 (R2004), Information Technology - Computer Graphics and Image Processing - Programmer's Hierarchical Interactive Graphics System (PHIGS) - Part 1: Functional Description (reaffirmation of INCITS/ISO/IEC 9592-1-1989): 12/21/2004

INCITS/ISO/IEC 9592-2-1997 (R2004), Information Technology - Computer Graphics and Image Processing - Programmer's Hierarchical Interactive Graphics System (PHIGS) - Part 2: Archive File Format (reaffirmation of INCITS/ISO/IEC 9592-2-1997): 12/21/2004

INCITS/ISO/IEC 9592-3-1997 (R2004), Information Technology - Computer Graphics and Image Processing - Programmer's Hierarchical Interactive Graphics System (PHIGS) - Part 3: Specification for Clear-Text Encoding of Archive File (reaffirmation of INCITS/ISO/IEC 9592-3-1997): 12/21/2004

INCITS/ISO/IEC 9593-3-1990/AM1-1994 (R2004), Information Technology - Computer Graphics - Programmer's Hierarchical Interactive Graphics System (PHIGS) Language Bindings - Part 3: Ada - Amendment 1: Incorporation of PHIGS PLUS (reaffirmation of INCITS/ISO/IEC 9593-3-1990/AM1-1994): 12/21/2004

INCITS/ISO/IEC 9593-4-1991/AM1-1994 (R2004), Information Technology - Computer Graphics - Programmer's Hierarchical Interactive Graphics System (PHIGS) Language Bindings - Part 4: C -- Amendment 1 (reaffirmation of INCITS/ISO/IEC 9593-4-1991/AM1-1994): 12/21/2004

INCITS/ISO/IEC 9637-1-1994 (R2004), Information Technology - Computer Graphics - Interfacing Techniques for Dialogues with Graphical Devices (CGI) - Data Stream Binding - Part 1: Character Encoding (reaffirmation of INCITS/ISO/IEC 9637-1-1994 (R1999)): 12/21/2004

INCITS/ISO/IEC 9637-2-1992 (R2004), Information Technology - Computer Graphics - Interfacing Techniques for Dialogues with Graphical Devices (CGI) - Data Stream Binding - Part 2: Binary Encoding (reaffirmation of INCITS/ISO/IEC 9637-2-1992 (R1999)): 12/21/2004

INCITS/ISO/IEC 9973-1994 (R2004), Information Technology - Computer Graphics and Image Processing - Procedures for Registration of Graphical Items (reaffirmation of INCITS/ISO/IEC 9973-1994): 12/21/2004

INCITS/ISO/IEC 10367-1991 (R2004), Information Technology - Standardized Coded Graphic Character Sets for Use in 8-Bit Codes (reaffirmation of INCITS/ISO/IEC 10367-1991): 12/21/2004

INCITS/ISO/IEC 10538-1991 (R2004), Information Technology - Control Functions for Text Communication (reaffirmation of INCITS/ISO/IEC 10538-1991): 12/21/2004

INCITS/ISO/IEC 10641-1993 (R2004), Information Technology - Computer Graphics and Image Processing - Conformance Testing of Implementations of Graphic Standards (reaffirmation of INCITS/ISO/IEC 10641-1993 (R1999)): 12/21/2004

INCITS/ISO/IEC 10746-2-1996 (R2004), Information Technology - Open Distributed Processing - Reference Model: Foundations (reaffirmation of INCITS/ISO/IEC 10746-2-1996): 12/21/2004

INCITS/ISO/IEC 10746-3-1996 (R2004), Information Technology - Open Distributed Processing - Reference Model: Architecture (reaffirmation of INCITS/ISO/IEC 10746-3-1996): 12/21/2004

INCITS/ISO/IEC 11072-1992 (R2004), Information Technology - Computer Graphics - Computer Graphics Reference Model (reaffirmation of INCITS/ISO/IEC 11072-1992 (R1999)): 12/21/2004

INCITS/ISO/IEC 12087-2-1994 (R2004), Information Technology - Computer Graphics and Image Processing - Image Processing and Interchange (IPI) - Functional Specification - Part 2: Programmer's Imaging Kernel System Application Program Interface (reaffirmation of INCITS/ISO/IEC 12087-2-1994 (R1999)): 12/21/2004

INCITS/ISO/IEC 12087-5-1998 (R2004), Information Technology - Computer Graphics and Image Processing - Image Processing and Interchange (IPI) - Functional Specification - Part 5: Basic Image Interchange Format (BIIF) (reaffirmation of INCITS/ISO/IEC 12087-5-1998): 12/21/2004

INCITS/ISO/IEC 12089-1997 (R2004), Information Technology - Computer Graphics and Image Processing - Encoding for the Image Interchange Facility (IIF) (reaffirmation of INCITS/ISO/IEC 12089-1997): 12/21/2004

INCITS/ISO/IEC 14478-1-1998 (R2004), Information Technology - Computer Graphics and Image Processing - Presentation Environment for Multimedia Objects (PREMO) - Part 1: Fundamentals of PREMO (reaffirmation of INCITS/ISO/IEC 14478-1-1998): 12/21/2004

INCITS/ISO/IEC 14478-2-1998 (R2004), Information Technology - Computer Graphics and Image Processing - Presentation Environment for Multimedia Objects (PREMO) - Part 2 - Foundation Component (reaffirmation of INCITS/ISO/IEC 14478-2-1998): 12/21/2004

INCITS/ISO/IEC 14478-3-1998 (R2004), Information Technology - Computer Graphics and Image Processing - Presentation Environment for Multimedia Objects (PREMO) - Part 3 - Multimedia Systems Services (reaffirmation of INCITS/ISO/IEC 14478-3-1998): 12/21/2004

INCITS/ISO/IEC 14478-4-1998 (R2004), Information Technology - Computer Graphics and Image Processing - Presentation Environment for Multimedia Objects (PREMO) - Part 4 - Modelling, Rendering and Interaction Component (reaffirmation of INCITS/ISO/IEC 14478-4-1998): 12/21/2004

INCITS/ISO/IEC 14772-1-1997 (R2004), Information technology - Computer graphics and image processing - The Virtual Reality Modeling Language - Part 1: Functional specification and UTF-8 encoding (reaffirmation of INCITS/ISO/IEC 14772-1-1997): 12/21/2004

NCPDP (National Council for Prescription Drug Programs)

Revisions

ANSI/NCPDP SC V6.0-2004, Prescriber/Pharmacist Interface SCRIPT Version 6.0 (revision and redesignation of ANSI/NCPDP SC V5.0-2003): 12/20/2004

UL (Underwriters Laboratories, Inc.)

New Standards

- ★ ANSI/UL 1598-2004, Standard for Safety for Luminaires (new standard): 12/20/2004

Revisions

ANSI/UL 9-2004, Standard for Safety for Fire Tests of Window Assemblies (revision of ANSI/UL 9-1997): 12/21/2004

ANSI/UL 291-2004, Standard for Safety for Automated Teller Systems (revision of ANSI/UL 291-1995): 12/20/2004

ANSI/UL 514C-2004, Nonmetallic Outlet Boxes, Flush-Device Boxes, and Covers (revision of ANSI/UL 514C-2002): 12/22/2004

ANSI/UL 514C-2004, Standard for Safety for Nonmetallic Outlet Boxes, Flush-Device Boxes, and Covers (Bulletin dated August 25, 2004) (revision of ANSI/UL 514C-2002): 12/22/2004

ANSI/UL 840-2004, Standard for Safety for Insulation Coordination Including Clearances and Creepage Distances for Electrical Equipment (revision of ANSI/UL 840-2000): 12/20/2004

ANSI/UL 1569-2004, Standard for Safety for Metal-Clad Cables (Bulletin dated September 27, 2004) (revision of ANSI/UL 1569-2003): 12/14/2004

ANSI/UL 1784-2004, Standard for Safety for Air Leakage Tests of Door Assemblies (Bulletin dated 09/16/04) (revision of ANSI/UL 1784-1995): 12/16/2004

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 2.4 of the ANSI Essential Requirements: Due Process Requirements for American National Standards.

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.

AGMA (American Gear Manufacturers Association)

Office: 500 Montgomery Street, Suite 350
Alexandria, VA 22314-1560

Contact: William Bradley

Fax: (703) 684-0242

E-mail: tech@agma.org

BSR/AGMA 2116-200x, Evaluation of Double Flank Testers for Radial Composite Measurement of Gears (new standard)

Stakeholders: Users and manufacturers of gears requiring radial composite inspection.

Project Need: Provide guidelines for calibration of double flank

This standard provides calibration methods for double flank testers used for (radial) composite measurement of gears to determine fitness for use. Recommendations are given for use of test artifacts. Provides requirements for artifact calibration.

CSA (CSA America, Inc.)

Office: 8501 East Pleasant Valley Road
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Contact: Allen Callahan

Fax: (216) 642-3463

E-mail: al.callahan@csa-america.org; Steve Kazubski
[Steve.Kazubski@csa-america.org]; tlemoff@nfpa.org

BSR/CSA 341.1-200x, Storage of Hydrocarbons in Underground Formations - Reservoir Storage (new standard)

Stakeholders: Builders and operators of underground hydrocarbon storage formations.

Project Need: Safety of underground hydrocarbon storage

Details minimum requirements for design, construction, operation, maintenance, abandonment, and safety of hydrocarbon storage in underground formations and associated equipment including: storage wellhead and Christmas tree assemblies; wells and subsurface equipment; safety equipment, including monitoring, control and emergency shutdown systems.

BSR/CSA 341.2-200x, Storage of Hydrocarbons in Underground Formations - Salt Cavern Storage (new standard)

Stakeholders: Builders and operators of underground hydrocarbon storage formations.

Project Need: Safety of underground hydrocarbon storage

Details minimum requirements for design, construction, operation, maintenance, abandonment, and safety of hydrocarbon storage in underground formations and associated equipment including: storage wellhead and Christmas tree assemblies; wells and subsurface equipment; safety equipment, including monitoring, control and emergency shutdown systems.

BSR/CSA 341.3-200x, Storage of Hydrocarbons in Underground Formations - Mined Cavern Storage (new standard)

Stakeholders: Builders and operators of underground hydrocarbon storage formations.

Project Need: Safety of underground hydrocarbon storage

Details minimum requirements for design, construction, operation, maintenance, abandonment, and safety of hydrocarbon storage in underground formations and associated equipment including: storage wellhead and Christmas tree assemblies; wells and subsurface equipment; safety equipment, including monitoring, control and emergency shutdown systems.

NECA (National Electrical Contractors Association)

Office: 3 Bethesda Metro Center, Suite 1100
Bethesda, MD 20814

Contact: Pearl Parker

Fax: (301) 215-4500

E-mail: psp@necanet.org

BSR/NECA 303-200x, Standard for Installing Closed-Circuit Television (CCTV) Systems (new standard)

Stakeholders: Electrical contractors and their customers.

Project Need: National Electrical Installation Standards (developed by NECA in partnership with other industry organizations) go beyond the basic safety requirements of the National Electrical Code to clearly define what is meant by installing products and systems in a "neat and workmanlike" manner.

This standard describes installation procedures for closed-circuit television system equipment installed for protection of building interiors, building perimeter, and surrounding property. This publication applies to closed-circuit television systems for security and monitoring activities in nonhazardous locations both indoors and outdoors. It also covers periodic routine maintenance procedures for closed-circuit television systems. This publication applies to the following:

- 1) Closed-circuit television cameras;
- 2) Monitors, switchers, multiplexers, and recording devices;
- 3) Electronic hardware components; and
- 4) Conductor and cable installation.

American National Standards Maintained Under Continuous Maintenance

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

Continuous maintenance is defined as follows:

The standard shall be maintained by an accredited standards developer. A documented program for periodic publication of revisions shall be established by the standards developer.

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

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

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

To obtain additional information with regard to these standards, such as contact information at the ANSI accredited standards developer, please visit ANSI Online at www.ansi.org, select Internet Resources, click on "Standards Information," and see "American National Standards Maintained Under Continuous Maintenance". This information is also available directly at <http://public.ansi.org/ansionline/Documents/Standards%20Activities/American%20National%20Standards/Procedures,%20Guides,%20and%20Forms/>.

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



ISO Draft International Standards

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

Comments

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

Ordering Instructions

ISO Drafts can be made available via ANSI's ESS "on-demand" via an e-mail request. Send your request for an ISO Draft 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 draft document you are requesting appears.

AGRICULTURAL FOOD PRODUCTS (TC 34)

ISO/DIS 6885, Animal and vegetable fats and oils - Determination of anisidine value - 3/24/2005, \$43.00

ISO/DIS 6886, Animal and vegetable fats and oils - Determination of oxidation stability (accelerated oxidation test) - 3/24/2005, \$58.00

AIRCRAFT AND SPACE VEHICLES (TC 20)

ISO/DIS 6968, Aircraft ground equipment - Lower deck loader - Functional requirements - 2/24/2005, \$43.00

ISO/DIS 23933, Aerospace - Aramid reinforced lightweight polytetrafluoroethylene (PTFE) hose assemblies, classification 135 C/20 684 kPa (275 F /3 000 psi) and 135 C/21 000 kPa (275 F / 3 048 psi) - Procurement specification - 3/24/2005, \$78.00

APPLICATIONS OF STATISTICAL METHODS (TC 69)

ISO/DIS 3951-5, Sampling procedures for inspection by variables - Part 5: Sequential sampling plans indexed by acceptance quality limit (AQL) for inspection by variables (known standard deviation) - 3/25/2005, \$102.00

ISO/DIS 8422, Sequential sampling plans for inspection by attributes - 3/25/2005, \$83.00

BIOLOGICAL EVALUATION OF MEDICAL AND DENTAL MATERIALS AND DEVICES (TC 194)

ISO/DIS 10993-6, Biological evaluation of medical devices - Part 6: Tests for local effects after implantation - 3/24/2005, \$72.00

ISO/DIS 10993-11, Biological evaluation of medical devices - Part 11: Tests for systemic toxicity - 3/24/2005, \$88.00

ISO 10993-4/DAmD1, Biological evaluation of medical devices - Part 4: Selection of tests for interactions with blood - Amendment 1 - 3/24/2005, \$38.00

ISO 10993-10/DAmD1, Biological evaluation of medical devices - Part 10: Tests for irritation and sensitization - Amendment 1 - 3/24/2005, \$28.00

ISO 10993-12/DAmD1, Biological evaluation of medical devices - Part 12: Sample preparation and reference materials - Amendment 1 - 3/24/2005, \$38.00

DOCUMENT IMAGING APPLICATIONS (TC 171)

ISO/DIS 19005-1, Document management - Electronic document file format for long-term preservation - Part 1: Use of PDF 1.4 (PDF/A-1) - 3/24/2005, \$92.00

EQUIPMENT FOR FIRE PROTECTION AND FIRE FIGHTING (TC 21)

ISO/DIS 7240-1, Fire detection and alarm systems - Part 1: General and definitions - 3/24/2005, \$53.00

ISO/DIS 7240-12, Fire detection and alarm systems - Part 12: Line type smoke detectors using a transmitting light beam - 3/24/2005, \$102.00

FINE CERAMICS (TC 206)

ISO/DIS 22214, Fine ceramics (advanced ceramics, advanced technical ceramics) - Test method for cyclic bending fatigue of monolithic ceramics at room temperature - 2/25/2005, \$43.00

GAS CYLINDERS (TC 58)

ISO/DIS 4706-1, Gas cylinders - Refillable welded steel cylinders - Part 1: Test pressure 60 bar and below - 4/7/2005, \$97.00

GEARS (TC 60)

ISO/DIS 2490, Solid (monobloc) gear hobs with tenon drive or axial keyway - 0,5 to 40 module - Nominal dimensions - 3/24/2005, \$49.00

ISO/DIS 81400-4, Wind turbine generator systems - Part 4: Gearboxes for turbines from 40 kW to 2 MW and larger - 3/2/2005, \$147.00

INDUSTRIAL AUTOMATION SYSTEMS AND INTEGRATION (TC 184)

ISO/DIS 10303-238, Industrial automation systems and integration - Product data representation and exchange - Part 238: Application Protocol: Application interpreted model for computerized numeric controllers - 3/31/2005, \$351.00

MARKET, OPINION AND SOCIAL RESEARCH (TC 225)

ISO/DIS 20252, Market, opinion and social research - Terms, definitions and service requirements - 4/7/2005, \$97.00

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

ISO/DIS 23251, Petroleum, petrochemical and natural gas industries - Pressure-relieving and depressuring systems - 4/7/2005, \$183.00

MEDICAL DEVICES FOR INJECTIONS (TC 84)

ISO/DIS 11608-4, Pen-injectors for medical use - Part 4: Requirements and test methods for electronic and electromechanical pen-injectors - 3/30/2005, \$53.00

PETROLEUM PRODUCTS AND LUBRICANTS (TC 28)

ISO/DIS 6743-15, Lubricants, industrial oils and related products (class L) - Classification - Part 15: Family E (Internal combustion engine oils) - 3/22/2005, \$38.00

ISO/DIS 24254, Lubricants, industrial oils and related products (class L) - Family E (internal combustion engine oils) - Specifications for oils for use in four-stroke cycle motorcycle gasoline engines and associated drivetrains - 3/22/2005, \$38.00

PLASTICS PIPES, FITTINGS AND VALVES FOR THE TRANSPORT OF FLUIDS (TC 138)

ISO/DIS 19892, Plastics piping systems - Thermoplastics pipes and associated fittings for hot and cold water - Test method for the resistance of joints to pressure cycling - 3/25/2005, \$32.00

ISO/DIS 19899, Plastics piping systems - Polyolefin pipes and mechanical fitting assemblies - Test method for the resistance to end load (AREL test) - 3/25/2005, \$43.00

ISO/DIS 19911, Plastics piping and fittings - Format for a technical file for characterizing PE spigot end fittings - 3/25/2005, \$32.00

QUANTITIES, UNITS, SYMBOLS, CONVERSION FACTORS (TC 12)

ISO 31-0/DAMd2, General principles concerning quantities, units and symbols - Amendment 2 - 3/31/2004, \$28.00

ROAD VEHICLES (TC 22)

ISO/DIS 17356-6, Road vehicles - Open interface for embedded electronic equipment - Part 6: OSEK/VDX implementation language - 2/24/2005, \$113.00

ISO/DIS 21750, Road vehicles - Safety enhancement in conjunction with the tyre inflation pressure monitoring - 3/31/2005, \$67.00

STERILIZATION OF HEALTH CARE PRODUCTS (TC 198)

ISO/DIS 13408-5, Aseptic processing of health care products - Part 5: Sterilization in place - 2/24/2005, \$63.00

TRACTORS AND MACHINERY FOR AGRICULTURE AND FORESTRY (TC 23)

ISO/DIS 16149, Agricultural irrigation equipment - PVC above-ground low-pressure surface irrigation pipe - Specifications and test methods - 3/31/2005, \$43.00

ZINC AND ZINC ALLOYS (TC 18)

ISO/DIS 301, Zinc alloy ingots intended for casting - 3/31/2005, \$43.00

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) 642-4946.

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

Eugene Water & Electric Board

Organization: Eugene Water and Electric Board
500 East 4th Avenue
PO Box 10148
Eugene, OR 97440
Contact: Mark Ellister
PHONE: 541-984-4726
FAX: 541-484-3762
E-mail: mark.ellister@eweb.eugene.or.us

Public review: November 3, 2004 to February 1, 2005

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

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

Proposed Foreign Government Regulations

Call for Comment

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

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

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

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

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

Information Concerning

ANSI Accredited Standards Developers

Approval of Reccreditation

American Society of Heating, Refrigerating, and Air-Conditioning Engineers (ASHRAE)

The Executive Standards Council has approved the reccreditation of the American Society of Heating, Refrigerating, and Air-Conditioning Engineers (ASHRAE) using the revised 2004 and 2005 versions of its Procedures for ASHRAE Standards Actions, effective December 21, 2004. For additional information, please contact: Ms. Liz Baker, Standards Administrator, ASHRAE, 1791 Tullie Circle, NE, Atlanta, GA 30329-2305; PHONE: (404) 636-8400; E-mail: lbaker@ashrae.org.

Organizational Name Change

National Committee for Clinical Laboratory Standards (NCCLS)

Effective January 1, 2005, NCCLS will change its corporate organizational name to the Clinical and Laboratory Standards Institute (CLSI).

The incorporated purpose and scope of the Clinical and Laboratory Standards Institute is:

To promote the development of standards and guidelines for healthcare services, medical testing, and clinical and other laboratory services, as a means of:

- (1) Improving the quality of work performed by organizations concerned with healthcare services, medical testing, and clinical and other laboratory services.
- (2) Benefiting public health, safety, and welfare.
- (3) Facilitating communication and understanding relating to healthcare services, medical testing, and clinical and other laboratory services

International Organization for Standardization (ISO)

Call for New Secretary

Relinquishment of ISO Subcommittee Secretariat

ISO/TC 94/SC 1 - Personal safety -Protective clothing and equipment - Head protection

Comment Deadline: January 31, 2005

ANSI has been advised by the International Safety Equipment Association (ISEA) that they no longer wish to serve as Secretary for this International (ISO) Subcommittee.

The work of this subcommittee is covered by the scope of ISO/TC 94 as follows:

Standardization of the quality and performance of clothing and personal equipment designed to safeguard persons against hazards other than those concerned with nuclear radiation.

Any organization wishing to assume the role of US delegated Secretariat, please contact Henrietta Scully via e-mail: hscully@ansi.org; mail: c/o ANSI, 25 West 43rd Street, New York, NY 10036; or fax: (212) 730-1346 before January 31, 2005.

U.S. Technical Advisory Groups

New TAG Administrator

ISO/TC 135/SC 7 - Nondestructive testing: Personnel qualification

Comment Deadline: January 31, 2005

The American Society for Nondestructive Testing (ASNT) has submitted a request to assume TAG Administrator responsibilities for the U.S. Technical Advisory Group (TAG) to ISO/TC 135/SC 7, Nondestructive testing: Personnel qualification, from the former TAG Administrator, ASTM. ASNT has provided an updated Application for Accreditation for a U.S. TAG to ISO and Approval/Transfer of TAG Administrator. The TAG intends to adopt the Model Operating Procedures for U.S. Technical Advisory Groups to ANSI for ISO Activities as provided in Annex A of the ANSI International Procedures. To obtain more information or to offer comments, please contact: Wayne Holliday, Executive Director, ASNT, 1711 Arlingate Lane, P.O. Box 28518, Columbus, OH 43228-0518; PHONE: (614) 274-6003; FAX: (614) 274-6899; E-mail: wholliday@asnt.org. Please submit any comments to ASNT by January 31, 2005, with a copy to the Recording Secretary, ExSC, at jthomps@ansi.org (FAX: (212) 840-2298).

Meeting Notices

ASC A10 - Construction and Demolitions

The ANSI Accredited A10 Standards Committee (ASC) for Construction and Demolitions will be meeting on January 11, 2005 at the U.S. Department of Labor in Washington, D.C. For more information, please contact: Timothy R. Fisher, CSP, ARM, CPEA, Director, Practices and Standards, American Society of Safety Engineers, 1800 E. Oakton Street, Des Plaines, IL 60018; PHONE: (847) 768-3411; FAX: (847) 296-9221; E-mail: TFisher@ASSE.Org.

ASC Z80 - Ophthalmics

Accredited Standards Committee Z80 on Ophthalmics will be holding a meeting on March 14 - 15, 2005 at the Ft. Lauderdale Marina Marriott. For hotel reservations, please call (800) 433-2254. For further information about the meeting, please call Kris Dinkle of the OLA at (703) 359-2830 or e-mail her at kdinkle@ola-labs.org.

STANDARDS ACTION WEEKLY PUBLISHING SCHEDULE FOR 2005

Vol 36	Developer Submits Data to PSA Between these Dates		Standards Action Published and Public Review Period			
	ASD submit start (Tuesday)	ASD submit end (Monday)	SA Publish (Friday)	60-day PR ends	45-day PR ends	30-day PR ends
1	12/21/2004	12/27/2004	1/7/2005	3/8/2005	2/21/2005	2/6/2005
2	12/28/2004	1/3/2005	1/14/2005	3/15/2005	2/28/2005	2/13/2005
3	1/4/2005	1/10/2005	1/21/2005	3/22/2005	3/7/2005	2/20/2005
4	1/11/2005	1/17/2005	1/28/2005	3/29/2005	3/14/2005	2/27/2005
5	1/18/2005	1/24/2005	2/4/2005	4/5/2005	3/21/2005	3/6/2005
6	1/25/2005	1/31/2005	2/11/2005	4/12/2005	3/28/2005	3/13/2005
7	2/1/2005	2/7/2005	2/18/2005	4/19/2005	4/4/2005	3/20/2005
8	2/8/2005	2/14/2005	2/25/2005	4/26/2005	4/11/2005	3/27/2005
9	2/15/2005	2/21/2005	3/4/2005	5/3/2005	4/18/2005	4/3/2005
10	2/22/2005	2/28/2005	3/11/2005	5/10/2005	4/25/2005	4/10/2005
11	3/1/2005	3/7/2005	3/18/2005	5/17/2005	5/2/2005	4/17/2005
12	3/8/2005	3/14/2005	3/25/2005	5/24/2005	5/9/2005	4/24/2005
13	3/15/2005	3/21/2005	4/1/2005	5/31/2005	5/16/2005	5/1/2005
14	3/22/2005	3/28/2005	4/8/2005	6/7/2005	5/23/2005	5/8/2005
15	3/29/2005	4/4/2005	4/15/2005	6/14/2005	5/30/2005	5/15/2005
16	4/5/2005	4/11/2005	4/22/2005	6/21/2005	6/6/2005	5/22/2005
17	4/12/2005	4/18/2005	4/29/2005	6/28/2005	6/13/2005	5/29/2005
18	4/19/2005	4/25/2005	5/6/2005	7/5/2005	6/20/2005	6/5/2005
19	4/26/2005	5/2/2005	5/13/2005	7/12/2005	6/27/2005	6/12/2005
20	5/3/2005	5/9/2005	5/20/2005	7/19/2005	7/4/2005	6/19/2005
21	5/10/2005	5/16/2005	5/27/2005	7/26/2005	7/11/2005	6/26/2005
22	5/17/2005	5/23/2005	6/3/2005	8/2/2005	7/18/2005	7/3/2005
23	5/24/2005	5/30/2005	6/10/2005	8/9/2005	7/25/2005	7/10/2005
24	5/31/2005	6/6/2005	6/17/2005	8/16/2005	8/1/2005	7/17/2005
25	6/7/2005	6/13/2005	6/24/2005	8/23/2005	8/8/2005	7/24/2005
26	6/14/2005	6/20/2005	7/1/2005	8/30/2005	8/15/2005	7/31/2005
27	6/21/2005	6/27/2005	7/8/2005	9/6/2005	8/22/2005	8/7/2005
28	6/28/2005	7/4/2005	7/15/2005	9/13/2005	8/29/2005	8/14/2005
29	7/5/2005	7/11/2005	7/22/2005	9/20/2005	9/5/2005	8/21/2005
30	7/12/2005	7/18/2005	7/29/2005	9/27/2005	9/12/2005	8/28/2005

Vol 36	Developer submits data to PSA between these dates		Standards Action Publish and Public Review			
	ASD submit start (Tuesday)	ASD submit end (Monday)	SA Publish (Friday)	60-day PR ends	45-day PR ends	30-day PR ends
31	7/19/2005	7/25/2005	8/5/2005	10/4/2005	9/19/2005	9/4/2005
32	7/26/2005	8/1/2005	8/12/2005	10/11/2005	9/26/2005	9/11/2005
33	8/2/2005	8/8/2005	8/19/2005	10/18/2005	10/3/2005	9/18/2005
34	8/9/2005	8/15/2005	8/26/2005	10/25/2005	10/10/2005	9/25/2005
35	8/16/2005	8/22/2005	9/2/2005	11/1/2005	10/17/2005	10/2/2005
36	8/23/2005	8/29/2005	9/9/2005	11/8/2005	10/24/2005	10/9/2005
37	8/30/2005	9/5/2005	9/16/2005	11/15/2005	10/31/2005	10/16/2005
38	9/6/2005	9/12/2005	9/23/2005	11/22/2005	11/7/2005	10/23/2005
39	9/13/2005	9/19/2005	9/30/2005	11/29/2005	11/14/2005	10/30/2005
40	9/20/2005	9/26/2005	10/7/2005	12/6/2005	11/21/2005	11/6/2005
41	9/27/2005	10/3/2005	10/14/2005	12/13/2005	11/28/2005	11/13/2005
42	10/4/2005	10/10/2005	10/21/2005	12/20/2005	12/5/2005	11/20/2005
43	10/11/2005	10/17/2005	10/28/2005	12/27/2005	12/12/2005	11/27/2005
44	10/18/2005	10/24/2005	11/4/2005	1/3/2006	12/19/2005	12/4/2005
45	10/25/2005	10/31/2005	11/11/2005	1/10/2006	12/26/2005	12/11/2005
46	11/1/2005	11/7/2005	11/18/2005	1/17/2006	1/2/2006	12/18/2005
47	11/8/2005	11/14/2005	11/25/2005	1/24/2006	1/9/2006	12/25/2005
48	11/15/2005	11/21/2005	12/2/2005	1/31/2006	1/16/2006	1/1/2006
49	11/22/2005	11/28/2005	12/9/2005	2/7/2006	1/23/2006	1/8/2006
50	11/29/2005	12/5/2005	12/16/2005	2/14/2006	1/30/2006	1/15/2006
51	12/6/2005	12/12/2005	12/23/2005	2/21/2006	2/6/2006	1/22/2006
52	12/13/2005	12/19/2005	12/30/2005	2/28/2006	2/13/2006	1/29/2006
1	12/20/2005	12/26/2005	1/6/2006	3/7/2006	2/20/2006	2/5/2006

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

BSR A300 Part 6-Transplanting Draft 4 Version 1 30-day Public Review Document (changes only)

Old: 63.2.9 Placement of trees that have the potential to conflict with overhead utility wires shall be avoided.

New: 63.2.9 Potential conflict with utilities, lines of sight, buildings, and other infrastructure should be avoided. Tall-growing trees shall not be planted directly under overhead primary distribution and transmission electric lines.

Removed: 63.4.2 Placement of trees and shrubs shall not interfere with existing utilities, lines of sight, or other critical infrastructure.

Old: 63.6.1.1 The depth of the planting hole should be determined by the depth and firmness of the root ball and other characteristics of the site and shall not exceed the depth of the root ball.

New: 63.6.1.1 The final depth of the planting hole is determined by the depth and firmness of the root ball and other characteristics of the site and shall not exceed the depth of the root ball.