

# **ANSI** STANDARDS ACTION

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## American National Standards

### Call for comment on proposals listed

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

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

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

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

★ Standard for consumer products

# Comment Deadline: February 16, 2004

## ASAE (American Society of Agricultural Engineers)

### New Standards

BSR/ASAE S584-200x, Agricultural Equipment: Speed Identification Symbol (SIS) (new standard)

The scope of this standard is primarily directed to identifying agricultural equipment (implements of husbandry) that have been designed in their original equipment configuration for specified ground speeds greater than 40 km/h (25 mile/h) but under 65 km/h (40 mile/h).

Single copy price: \$40.00

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

### New National Adoptions

BSR/ASAE/ISO 5687-200x, Equipment for harvesting - Combine harvesters - Determination and designation of grain tank capacity and unloading device performance (identical national adoption and revision of ANSI/ASAE S312.2-APR93 (RJUNE00))

This International Standard specifies a method for determining and designating the capacity and unloading rate of combine harvester grain tanks and unloading systems.

Single copy price: \$40.00

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

### Revisions

BSR/ASAE S276.6-200x, Slow-Moving Vehicle Emblem (SMV Emblem) (revision of ANSI/ASAE S276.5-MAY98 (RAPR2003))

This Standard establishes specifications that define a unique identification emblem to be used only for slow-moving vehicles when operated or traveling on highways. It establishes emblem dimensional specifications, performance requirements, related test procedures, and mounting requirements. The emblem shall be used only on slow-moving vehicles and does not replace warning devices such as tail lamps, reflectors, or flashing lights.

Single copy price: \$40.00

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

### Withdrawals

ANSI/ASAE S312.2-APR93 (RJUNE00), Capacity Designations and Unloading Performance for Combine Grain Tank Systems (withdrawal of ANSI/ASAE S312.2-APR93 (RJUNE00))

This Standard is intended to provide a uniform method for determining and designating the capacity and unloading performance of combine grain tank systems.

Single copy price: \$40.00

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

## FCI (Fluid Controls Institute)

### Revisions

BSR/FCI 85-1-200x, Production Testing of Steam Traps (revision of ANSI/FCI 85-1-1989 (R1994))

Specifies production and performance tests that are considered applicable to steam traps.

Single copy price: \$15.00

Order from: Leslie Schraff, FCI; [fcifluidcontrolsinstitute.org](mailto:fcifluidcontrolsinstitute.org)  
Send comments (with copy to BSR) to: Same

## INMM (ASC N14) (Institute of Nuclear Materials Management)

### Supplements

BSR N14.1-2001 Addendum 2-200x, Uranium Hexafluoride - Packaging for Transport (supplement to ANSI N14.1-2001)

Adds an additional design for the Type 30B cylinder. This cylinder design will be an available option to current cylinder designs. Retro-fitting existing 30B cylinders with a water-tight valve cover/protector will also be approved. Addendum 2 will also be used to approve the addition of new adapters, valves, and cleaning fluxes for the Type 1S and 2S cylinders. Single copy price: Free of Charge

Order from: Joree' O'Neal, INMM (ASC N14); [onealj@orau.gov](mailto:onealj@orau.gov)  
Send comments (with copy to BSR) to: Same

## UL (Underwriters Laboratories, Inc.)

### New Standards

- ★ BSR/UL 1786-200x, Standard for Safety for Direct Plug-In Portable Nightlights (Bulletin dated 12/12/03) (new standard)

Requirements in UL 1786 apply to direct plug-in nightlights not exceeding 10 W input, for indoor use only, in non-hazardous locations and intended to be used in accordance with Canadian Electrical Code, Part 1 (CE Code Part (1) and the ANSI/NFPA 70 National Electrical Code (NEC). Light source types include, incandescent candelabra base lamps, non-replaceable lamps (fluorescent, neon, or light emitting diode (LED) type), or electroluminescent panels.

Single copy price: Contact comm2000 for pricing and delivery options

Order from: comm2000  
Send comments (with copy to BSR) to: Dixie Stevens, UL-NC;  
[Dixie.W.Stevens@us.ul.com](mailto:Dixie.W.Stevens@us.ul.com)

### New National Adoptions

BSR/UL 61010-1-200x, Standard for Safety for Electrical Equipment for Measurement, Control, and Laboratory Use; Part 1: General Requirements (Bulletin dated 01/16/04) (identical national adoption)

The following items are subject to comments:

- (1) Revisions based on comments received during the ANSI Canvass of the Proposed Second Edition of UL 61010-1;
- (2) Modification of a reference in Clause 5.1.6DV;
- (3) Clarification of the term "assure" in Clause 5.4.1DV;
- (4) Modification of IEC Figure 1;
- (5) Modification of the clearance calculation in Clause 6.7.3.2DV;
- (6) Modification of Clauses 6.10.4DV and 14.10DV to correspond to the current edition of UL 61010A-1;
- (7) Modification of a reference in Clause 6.11.1;
- (8) Addition of a National Difference to replace IEC Figure 10;
- (9) Modification of IEC Figure D.2(a);
- (10) Modification of a reference in Clause G.5;
- (11) Editorial revisions.

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Order from: comm2000  
Send comments (with copy to BSR) to: Susan Malohn, UL-IL;  
[Susan.P.Malohn@us.ul.com](mailto:Susan.P.Malohn@us.ul.com)

### Reaffirmations

BSR/UL 1042-1995 (R200x), Electric Baseboard Heating Equipment (Bulletin dated 12/19/03) (reaffirmation of ANSI/UL 1042-1995)

To maintain a nationally recognized standard for these products, UL is seeking to administratively update the ANSI approval of UL 1042. UL is seeking reaffirmation of the current requirements and support of the ANSI approval of the standard as it stands. The last revisions to UL 1042 requirements were dated February 8, 2002. No changes are being proposed to the requirements in the standard at this time.

Single copy price: \$Contact STP Secretary, Tim Lupo, at UL

Order from: Tim Lupo, UL-NC; [Timothy.E.Lupo@us.ul.com](mailto:Timothy.E.Lupo@us.ul.com)  
Send comments (with copy to BSR) to: Same

## Comment Deadline: March 2, 2004

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

### ASME (American Society of Mechanical Engineers)

#### Revisions

BSR/ASME B18.24.4-200x, Part Identifying Number (PIN) Code System Standard for B18 Fastener Products (revision, redesignation and consolidation of ANSI/ASME B18.24.1-1996, ANSI/ASME B18.24.1a-2002, ANSI/ASME B18.24.2-1998, and ANSI/ASME B18.24.3-1998)

This standard is intended to provide all users (manufacturers, distributors, design and configuration, parts control, inventory control, test and maintenance functions) with the capability to identify externally threaded, internally threaded, and non-threaded fastener products by a preselected order of coding as specified herein.

Single copy price: \$45.00

Order from: Silvana Rodriguez, ASME; [rodriguez@asme.org](mailto:rodriguez@asme.org)  
Send comments (with copy to BSR) to: Ryan Crane, ASME; [craner@asme.org](mailto:craner@asme.org)

BSR/ASME PTC 1-200x, Performance Test Codes - General Instructions (revision of ANSI/ASME PTC 1-1999)

This document provides direction to users of Performance Test Codes. Code users shall consider it as part of each test. The objectives of this document are:

- (1) Define the purpose and scope of ASME Performance Test Codes;
- (2) List major industry applications where PTCs can be used;
- (3) Provide direction on the use of equipment Performance Test Codes concerning the planning, preparation, implementation, and reporting of test results.

Single copy price: \$10.00

Order from: Silvana Rodriguez, ASME; [rodriguez@asme.org](mailto:rodriguez@asme.org); [ANSIBox@asme.org](mailto:ANSIBox@asme.org); [JonesG@asme.org](mailto:JonesG@asme.org)  
Send comments (with copy to BSR) to: Jack Karian, ASME; [karianj@asme.org](mailto:karianj@asme.org)

#### Reaffirmations

BSR/ASME B18.2.6-1996 (R200x), Fasteners for Use in Structural Applications (reaffirmation of ANSI/ASME B18.2.6-1996)

This standard covers the complete general and dimensional data for four products of the inch series.

Single copy price: \$34.00

Order from: Silvana Rodriguez, ASME; [rodriguez@asme.org](mailto:rodriguez@asme.org); [ANSIBox@asme.org](mailto:ANSIBox@asme.org); [JonesG@asme.org](mailto:JonesG@asme.org)  
Send comments (with copy to BSR) to: Ryan Crane, ASME; [craner@asme.org](mailto:craner@asme.org)

### AWWA (American Water Works Association)

#### Revisions

BSR/AWWA C302-200x, Reinforced Concrete Pressure Pipe, Noncylinder Type (revision of ANSI/AWWA C302-1995)

This standard describes the manufacture of circumferentially reinforced concrete pressure pipe, without a steel cylinder and not prestressed, in sizes from 12 to 144 in (300 to 3,660 mm) inclusive and for working pressures not exceeding 55 psi (380 kPa) and working plus surge pressures not exceeding a total pressure of 65 psi (450 kPa).

Single copy price: \$5.00

Order from: Jim Wailes, AWWA; [jwailes@awwa.org](mailto:jwailes@awwa.org)  
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### CPA (Composite Panel Association)

#### Revisions

- ★ BSR/AHA A135.4-200x, Basic Hardboard (revision of ANSI/AHA A135.4-1995)

This Standard defines hardboard, covers requirements and test methods for water absorption, thickness swelling, modulus of rupture, tensile strength, surface finish, dimensions, squareness, edge straightness, and moisture content of five classes of basic hardboard. Where appropriate, test methods in ASTM D1037 are required. Methods of identifying hardboard that conforms to this Standard are provided.

Single copy price: Free

Order from: Gary Heroux, CPA; [gheroux@cpamail.org](mailto:gheroux@cpamail.org)  
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- ★ BSR/AHA A135.5-200x, Prefinished Hardboard Paneling (revision of ANSI/AHA A135.5-1995)

This Standard covers requirements and methods of testing for the dimensions, squareness, edge straightness, and moisture content of prefinished hardboard paneling and for the finish of the paneling. Methods of identifying products which conform to this Standard are included.

Single copy price: Free

Order from: Gary Heroux, CPA; [gheroux@cpamail.org](mailto:gheroux@cpamail.org)  
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### IEEE (ASC C37) (Institute of Electrical and Electronics Engineers)

#### Reaffirmations

BSR/IEEE C37.11-1997 (R200x), Standard Requirements for Electrical Control for AC High-Voltage Circuit Breakers Rated on a Symmetrical Current Basis (reaffirmation of ANSI/IEEE C37.11-1997)

Applies to all types of electrically controlled ac high-voltage circuit breakers rated above 1000 V. Establishes basic requirements for ac high-voltage power circuit breaker control schemes so that users and manufacturers can effect engineering and production economies by reducing the multiplicity of special control schemes that are specified in the absence of standards.

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

Order from: IEEE Customer Service: 800-678-4333;  
<http://shop.ieee.org/store/>  
Send comments (with copy to BSR) to: David Ringle, IEEE; [d.ringle@ieee.org](mailto:d.ringle@ieee.org)

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

#### New Standards

BSR/IEEE 383-200x, Standard for Qualifying Class 1E Electric Cables and Field Splices for Nuclear Power Generating Stations (new standard)

Provides general requirements, direction and methods for qualifying Class 1E electric cables, field splices, factory splices and factory rework for service in nuclear power generating stations.

Single copy price: N/A

Order from: IEEE Customer Service: 800-678-4333;  
<http://shop.ieee.org/store/>  
Send comments (with copy to BSR) to: David Ringle, IEEE; [d.ringle@ieee.org](mailto:d.ringle@ieee.org)

BSR/IEEE 802.16/Conformance02-200x, Standard for Conformance to IEEE Standard 802.16 - Part 2: Test Suite Structure and Test Purposes (TSS&TP) for 10-66 GHz Wireless MAN-SC Air Interface (new standard)

Represents the Test Suite Structure and Test Purposes (TSS & TP), per ISO/IEC Standards 9646-1, and 9646-2 (1995) and ITU-T Standards X.290 and X.291, for conformance specification of base station and subscriber stations based upon the Wireless MAN-SC (10-66 GHz) air interface specified in IEEE Std. 802.16.

Single copy price: N/A

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<http://shop.ieee.org/store/>

Send comments (with copy to BSR) to: David Ringle, IEEE;  
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BSR/IEEE 1003.13-200x, Information Technology - Standardized Application Environment Profile - POSIX Realtime and Embedded Application Support (AEP) (new standard)

Establishes a set of Realtime and Embedded Environment Profiles based on ISO/IEC 9945: 2003, IEEE 1003.26-2003, ISO/IEC 14519: 2001, and related standards specifying foundations for realtime applications.

Single copy price: N/A

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Send comments (with copy to BSR) to: David Ringle, IEEE;  
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BSR/IEEE 1003.26-200x, Standard for Information Technology - Portable Operating System Interface (POSIX) - Part 26: Device Control Application Program Interface (API) [C Language] (new standard)

Defines extensions to POSIX.1 to support application portability at the source-code level. It is intended to be used by both application developers and system implementers.

Single copy price: N/A

Order from: IEEE Customer Service: 800-678-4333;

<http://shop.ieee.org/store/>

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

BSR/IEEE 1222-200x, All-Dielectric Self-Supporting Fiber Optic Cable (new standard)

Covers the construction, mechanical, electrical, and optical performance, installation, guidelines, acceptance criteria, test requirements, environmental considerations, and accessories for an all-dielectric, non-metallic, self-supporting fiber optic (ADSS) cable.

Single copy price: N/A

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<http://shop.ieee.org/store/>

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

BSR/IEEE 1366-200x, Guide for Electric Power Distribution Reliability Indices (new standard)

Identifies distribution reliability indices and factors that affect their calculation. It includes indices, which are useful today, as well as ones that may be useful in the future. The indices are intended to apply to distribution systems, substations, circuits, and defined regions.

Single copy price: N/A

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<http://shop.ieee.org/store/>

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

BSR/IEEE 1477-200x, Passenger Information System for Rail Transit Vehicles (new standard)

Applies to external and internal audiovisual communication of passenger information, destination/trip information, and announcements related to safety and emergencies, as well as advertisements/community information for rail transit vehicles.

Single copy price: \$92.00 (Non-member); \$74.00 (Member)

Order from: IEEE Customer Service: 800-678-4333;

<http://shop.ieee.org/store/>

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BSR/IEEE 1490-200x, Adoption of PMI Standard - A Guide to the Project Management Body of Knowledge (PMBOK Guide) (new standard)

Identifies and describes that subset of the PMBOK that is generally accepted and then adopts it as an IEEE Standard.

Single copy price: N/A

Order from: IEEE Customer Service: 800-678-4333;

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Send comments (with copy to BSR) to: David Ringle, IEEE;  
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BSR/IEEE 1590-200x, Recommended Practice for the Electrical Protection of Optical Fiber Communication Facilities Serving, or Connected to, Electrical Supply Locations (new standard)

Presents engineering design procedures for the electrical protection of optical fiber communications facilities serving, or connected to, electrical supply locations.

Single copy price: N/A

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Send comments (with copy to BSR) to: David Ringle, IEEE;  
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BSR/IEEE C37.115-200x, Standard Test Method for Use in the Evaluation of Message Communications Between Intelligent Electronic Devices in an Integrated Substation Protection, Control and Data Acquisition System (new standard)

Defines standard communication modeling, terminology, evaluation criteria and performance measures for communication test scenarios, which specify messages to be exchanged between electrical power substation intelligent electronic devices (IEDs). These scenarios define message transactions between applications within the substation, and between substation IEDs and remotely located applications.

Single copy price: N/A

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Send comments (with copy to BSR) to: David Ringle, IEEE;  
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BSR/IEEE C57.13-200x, Standard Requirements for Instrument Transformers (new standard)

Intended for use as a basis for performance, interchangeability, and safety of equipment covered, and to assist in the proper selection of such equipment. Covers certain electrical, dimensional, and mechanical characteristics, and takes into consideration certain safety features of current and inductively coupled voltage transformers of types generally used in the measurement of electricity and the control of equipment associated with the generation, transmission, and distribution of alternating current.

Single copy price: \$111.00 (Non-member); \$89.00 (Member)

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Send comments (with copy to BSR) to: David Ringle, IEEE;  
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BSR/IEEE C62.21-200x, Guide for the Application of Surge Voltage Protective Equipment on AC Rotating Machinery 1000 Volts and Greater (new standard)

Part 1 covers the insulation surge withstand strength of motors and generators with windings having form-wound multi-turn coils and the application of surge protection to form-wound multi-turn coils. Part 2 covers application of surge protection to generators with form-wound multi-turn coils, plus insulation surge withstand strength and surge protection of single-turn coil generators and motors.

Single copy price: N/A

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<http://shop.ieee.org/store/>  
 Send comments (with copy to BSR) to: David Ringle, IEEE;  
 d.ringle@ieee.org

### Revisions

BSR/IEEE 187-200x, Standard Measurement Methods of Emissions from FM and Television Broadcast Receivers in the Frequency Range of 9 kHz to 40 GHz (revision of ANSI/IEEE 187-1990 (R1996))

Describes the potential sources of spurious radiation from receivers intended for the reception of sound and television broadcast, and measurement methods for them.

Single copy price: N/A

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BSR/IEEE 635-200x, Guide for Selection and Design of Aluminum Sheaths for Power Cables (revision of ANSI/IEEE 635-1989 (R1994))

Outlines requirements and establishes design guidelines for the selection of aluminum sheaths for extra-high, high-, medium-, and low-voltage cables; establishes basic installation parameters for aluminum-sheathed cables; provides references to industry standards and codes incorporating design and installation requirements of aluminum-sheathed cables; provides a comprehensive bibliography of literature related to the subject.

Single copy price: N/A

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### Reaffirmations

BSR/IEEE 317-1983 (R200x), Standard for Electric Penetration Assemblies in Containment Structures for Nuclear Power Generating Stations (reaffirmation of ANSI/IEEE 317-1983 (R1996))

Prescribes the requirements for the design, construction, qualification, test, and installation of electric penetration assemblies in nuclear containment structures for stationary nuclear power generating stations.

Single copy price: \$75.00 (Non-member); \$60.00 (Member)

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<http://shop.ieee.org/store/>  
 Send comments (with copy to BSR) to: David Ringle, IEEE;  
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BSR/IEEE 802.1Q-1998 (R200x), Local and Metropolitan Area Networks: Virtual Bridged Local Area Networks (reaffirmation of ANSI/IEEE 802.1Q-1998)

IEEE 802 Local Area Networks (LANs) of all types can be connected together with Media Access Control (MAC) Bridges, as specified in IEEE Std 802.1D, 1998 Edition. Defines the operation of Virtual LAN (VLAN) Bridges that permit the definition, operation, and administration of VLAN topologies within a Bridged LAN infrastructure.

Single copy price: 95.00 (Non-member); \$76.00 (Member)

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 Send comments (with copy to BSR) to: David Ringle, IEEE;  
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BSR/IEEE 802.1v-2001 (R200x), Standards for Local and Metropolitan Area Networks: Virtual Bridged Local Area Networks: VLAN Classification by Protocol and Port (reaffirmation of ANSI/IEEE 802.1v-2001)

A supplement to ANSI/IEEE 802.1Q-1998.

Single copy price: \$39.00 (Non-member); \$31.00 (Member)

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<http://shop.ieee.org/store/>  
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BSR/IEEE 802.1u-2001 (R200x), Standard for Virtual Bridged Local Area Networks - Corrigendum 1: Technical and Editorial Corrections (reaffirmation of ANSI/IEEE 802.1u-2001)

A supplement to ANSI/IEEE 802.1Q-1998.

Single copy price: \$37.00 (Non-member); \$30.00 (Member)

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<http://shop.ieee.org/store/>  
 Send comments (with copy to BSR) to: David Ringle, IEEE;  
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BSR/IEEE 802.1s-2002 (R200x), Standards for Local and Metropolitan Area Networks - Amendment to 802.1Q Virtual Bridged Local Area Networks: Multiple Spanning Trees (reaffirmation of ANSI/IEEE 802.1s-2002)

A supplement to ANSI/IEEE 802.1Q-1998.

Single copy price: \$included in ANSI/IEEE 802.1Q-1998

Order from: IEEE Customer Service: 800-678-4333;  
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BSR/IEEE 802.2-1990 (R200x), LAN and MAN - Part 2: Logical Link Control (reaffirmation of ANSI/IEEE 802.2-1990 (R1998), ANSI/IEEE 802.2a-1994, ANSI/IEEE 802.2b-1994, ANSI/IEEE 802.2c-1998, ANSI/IEEE 802.2d-1994, ANSI/IEEE 802.2e-1994, ANSI/IEEE 802.2f-1998, ANSI/IEEE 802.2h-1998, ANSI/IEEE 802.5p-1994)

Describes the functions, features, protocol, and services of the Logical Link Control (LLC) sublayer in the ISO/IEC 8802 LAN Protocol.

Single copy price: \$161.00 (Non-member); \$129.00 (Member)

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

BSR/IEEE 802.5-1998 (R200x), LAN and MAN- Specific Requirements - Part 5: Token Ring Access Method and Physical Layer Specifications (reaffirmation of ANSI/IEEE 802.5-1998, ANSI/IEEE 802.5j-1998, ANSI/IEEE 802.5r-1998, ANSI/IEEE 802.5t-2000, ANSI/IEEE 802.5v-2001, ANSI/IEEE 802.5w-2000)

In this part of the ISO/IEC 8802 LAN Protocol, compatible interconnection of data processing equipment via a local area network (LAN) using token ring access method is described.

Single copy price: N/A

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

BSR/IEEE 1043-1996 (R200x), Recommended Practice for Voltage-Endurance Testing of Form-Wound Bars and Coils (reaffirmation of ANSI/IEEE 1043-1996)

Covers the voltage endurance testing of form-wound bars and coils for use in large rotating machine stator windings.

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

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

BSR/IEEE 1204-1997 (R200x), Guide for Planning DC Links Terminating at AC Locations Having Low Short-Circuit Capacities (reaffirmation of ANSI/IEEE 1204-1997)

Discusses the effects of various aspects of the ac/dc interactions on the design and performance of dc schemes where the ac system appears as a high impedance at the ac/dc interface bus; i.e., low and very low short-circuit conditions.

Single copy price: \$107.00 (Non-member); \$86.00 (Member)

Order from: IEEE Customer Service: 800-678-4333;  
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Send comments (with copy to BSR) to: David Ringle, IEEE;  
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BSR/IEEE 1375-1998 (R200x), Guide for the Protection of Stationary Battery Systems (reaffirmation of ANSI/IEEE 1375-1998)

Provides guidance in the protection of stationary battery systems.

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BSR/IEEE C57.18.10-1998 (R200x), Standard Practices and Requirements for Semiconductor Power Rectifier Transformers (reaffirmation of ANSI/IEEE C57.18.10-1998)

Includes practices and requirements for semiconductor power rectifier transformers for dedicated loads rated single-phase 300 kW and above and three-phase 500 kW and above.

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BSR/IEEE C57.19.100-1995 (R200x), Guide for Application of Power Apparatus Bushings (reaffirmation of ANSI/IEEE C57.19.100-1995)

Presents general information and recommendations for the application of power apparatus bushings when incorporated as part of power transformers, power circuit breakers, and isolated-phase bus.

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BSR/IEEE C57.111-1995 (R200x), Guide for Acceptance of Silicone Insulating Fluid and Its Maintenance in Transformers (reaffirmation of ANSI/IEEE C57.111-1995)

Recommends standard tests and evaluation procedures for silicone transformer fluid.

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# Call for Comment Contact Information

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

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Fax: (216) 241-0105

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[www.fluidcontrolsinstitute.org/welcome.htm](http://www.fluidcontrolsinstitute.org/welcome.htm)

### **IEEE**

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Underwriters Laboratories, Inc.

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Fax: (616) 429-3852

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# Initiation of Canvasses

The following ANSI-accredited standards developers have announced their intent to conduct a canvass on the proposed American National Standard(s) listed herein in order to develop evidence of consensus for submittal to ANSI for approval as an American National Standard. Directly and materially affected interests wishing to participate as a member of a canvass list, i.e., consensus body, should contact the sponsor of the standard within 30 days of the publication date of this issue of Standards Action. Please also review the section entitled "American National Standards Maintained Under Continuous Maintenance" contained in Standards Action for information with regard to canvass standards maintained under the continuous maintenance option.

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## **FCI (Fluid Controls Institute)**

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**Phone:** (216) 241-7333

**Fax:** (216) 241-0105

**E-mail:** [fci@fluidcontrolsinstitute.org](mailto:fci@fluidcontrolsinstitute.org)

BSR/FCI 85-1-200x, Production Testing of Steam Traps (revision of  
ANSI/FCI 85-1-1989 (R1994))

# 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

- ★ ANSI/AAMI ST67-2003, Sterilization of health care products - Requirements for products labeled "STERILE" (new standard): 12/18/2003

## ASTM (ASTM International)

### New Standards

- ANSI/ASTM E2322-2003, Test Method for Conducting Traverse and Concentrated Load Tests on Panels Used in Floor and Roof Construction (new standard): 12/1/2003
- ANSI/ASTM F1631-2003, Test Method for Impact Attenuation Properties of Body Padding and Protective Wear for the Sport of Fencing (new standard): 12/1/2003
- ANSI/ASTM F2337-2003, Test Method for Treestand Fall Protection Devices (new standard): 11/1/2003

### Reaffirmations

- ANSI/ASTM E1258-1988 (R2003), Test Method for Airflow Calibration of Fan Pressurization Devices (reaffirmation of ANSI/ASTM E1258-1988 (R1998)): 12/1/2003
- ANSI/ASTM E1514-1998 (R2003), Specification for Structural Standing Seam Steel Roof Panel Systems (reaffirmation of ANSI/ASTM E1514-1998): 12/1/2003
- ANSI/ASTM F1953-1999 (R2003), Guide for Construction and Maintenance of Grass Tennis Courts (reaffirmation of ANSI/ASTM F1953-1999): 11/1/2003

### Revisions

- ANSI/ASTM D784-2003, Specification for Orange Shellac and Other Indian Lacs for Electrical Insulation (revision of ANSI/ASTM D784-1999): 12/1/2003
- ANSI/ASTM D3145-2003, Test Method for Thermal Endurance of Electrical Insulating Varnishes by the Helical Coil Method (revision of ANSI/ASTM D3145-2001): 12/1/2003
- ANSI/ASTM D5537-2003, Test Method for Heat Release, Flame Spread and Mass Loss Testing of Insulating Materials Contained in Electrical or Optical Fiber Cables When Burning in a Vertical Cable Tray Configuration (revision of ANSI/ASTM D5537-1999): 12/1/2003
- ANSI/ASTM E1605-2003, Terminology Relating to Lead in Buildings (revision of ANSI/ASTM E1605-2002): 12/1/2003
- ANSI/ASTM E2110-2003, Terminology for Exterior Insulation and Finish Systems (EIFS) (revision of ANSI/ASTM E2110-2001): 12/1/2003
- ANSI/ASTM F905-2003, Practice for Qualification of Polyethylene Saddle Fusion Joints (revision of ANSI/ASTM F905-1996): 12/1/2003
- ANSI/ASTM F1446-2003, Test Methods for Equipment and Procedures Used in Evaluating the Performance Characteristics of Protective Headgear (revision of ANSI/ASTM F1446-2001a): 11/1/2003
- ANSI/ASTM F1632-2003, Test Method for Particle Size Analysis and Sand Shape Grading of Golf Course Putting Green and Sports Field Rootzone Mixes (revision of ANSI/ASTM F1632-2002): 11/1/2003

### Withdrawals

- ANSI/ASTM D2755-1997, Test Method for Sampling and Reduction to Test Weight of Electrical Grade Magnesium Oxide (withdrawal of ANSI/ASTM D2755-1997): 12/1/2003
- ANSI/ASTM D2771-1997, Test Methods for Compaction Density of Electrical Grade Magnesium Oxide (withdrawal of ANSI/ASTM D2771-1997): 12/1/2003
- ANSI/ASTM D2772-1997, Test Method for Sieve Analysis of Electrical Grade Magnesium Oxide (withdrawal of ANSI/ASTM D2772-1997): 12/1/2003
- ANSI/ASTM D2858-1997, Test Method for Thermal Conductivity of Electrical Grade Magnesium Oxide (withdrawal of ANSI/ASTM D2858-1997): 12/1/2003
- ANSI/ASTM D2900-1997, Test Method for Accelerated Life Test of Electrical Grade Magnesium Oxide as Used in Sheathed-Type Electric Heating Elements (withdrawal of ANSI/ASTM D2900-1997): 12/1/2003
- ANSI/ASTM D3215-1993, Test Method for Measurement of the Specific Electrical Impedance of Electrical-Grade Magnesium Oxide for Use in Sheathed-Type Heating Elements (withdrawal of ANSI/ASTM D3215-1993 (R2002)): 12/1/2003
- ANSI/ASTM D4352-1997, Test Method for Determination of Magnetic Material Impurities in Electrical Grade Magnesium Oxide (withdrawal of ANSI/ASTM D4352-1997): 12/1/2003

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

### Revisions

- ANSI Z21.41-2003, Quick Disconnect Devices for Use With Gas Fuel Appliances (same as CSA 6.9) (revision, redesignation and consolidation of ANSI Z21.41-1998, BSR Z21.41a-200x, ANSI Z21.41b-2002): 12/23/2003
- ANSI Z21.57a-2003, Recreational Vehicle Cooking Gas Appliances (revision of ANSI Z21.57-2001): 12/23/2003
- ANSI Z21.81b-2003, Cylinder Connection Devices (same as CGA 6.25b) (revision, redesignation and consolidation of ANSI Z21.81-1997 (R2003) and ANSI Z21.81a-1998 (R2003)): 12/23/2003

## I3A (International Imaging Industry Association)

### Revisions

- ANSI/I3A IT4.36-2003, Photography (Processing) - Photographic Processing Solutions - pH Calibration and Measurement (revision and redesignation of ANSI/PIMA IT4.36-2001): 12/23/2003

## IEEE (ASC C37) (Institute of Electrical and Electronics Engineers)

### New Standards

- ANSI/IEEE C37.103-2003, Guide for Differential and Polarizing Relay Circuit Testing (new standard): 12/29/2003

## IEEE (ASC N42) (Institute of Electrical and Electronics Engineers)

### New Standards

- ★ ANSI N42.32-2003, Performance Criteria for Alarming Personal Radiation Detectors for Homeland Security (new standard): 12/23/2003

- ★ ANSI N42.33-2003, Radiation Detection Instrumentation for Homeland Security (new standard): 12/23/2003
- ★ ANSI N42.34-2003, Performance Criteria for Hand-held Instruments for the Detection and Identification of Radionuclides (new standard): 12/23/2003

## IEEE (Institute of Electrical and Electronics Engineers)

### New Standards

- ANSI/IEEE 1137-2003, Guide for the Implementation of Inductive Coordination Mitigation Techniques and Application (new standard): 12/29/2003
- ANSI/IEEE 1451.3-2003, Standard for a Smart Transducer Interface for Sensors and Actuators - Digital Communication and Transducer Electronic Data Sheet (TEDS) Formats for Distributed Multidrop Systems (new standard): 12/29/2003
- ANSI/IEEE 1484.11.2-2003, Standard for Learning Technology - ECMAScript Application Programming Interface for Content to Runtime Services Communication (new standard): 12/29/2003
- ANSI/IEEE 1526-2003, Recommended Practice for Testing the Performance of Stand-Alone Photovoltaic Systems (new standard): 12/29/2003
- ANSI/IEEE 1603-2003, A Standard for an Advanced Library Format (ALF) Describing Integrated Circuit (IC) Technology, Cells, and Blocks (new standard): 12/29/2003

### Reaffirmations

- ANSI/IEEE 48-1996 (R2003), Standard Test Procedures and Requirements for Alternating-Current Cable Terminations 2.5 kV Through 765 kV (reaffirmation of ANSI/IEEE 48-1996): 12/29/2003
- ANSI/IEEE 122-1992 (R2003), Recommended Practice for Functional and Performance Characteristics of Control Systems for Steam Turbine-Generator Units (reaffirmation of ANSI/IEEE 122-1992 (R1997)): 12/29/2003
- ANSI/IEEE 211-1997 (R2003), Standard Definitions of Terms for Radio Wave Propagation (reaffirmation of ANSI/IEEE 211-1997): 12/29/2003
- ANSI/IEEE 485-1997 (R2003), Recommended Practice for Sizing Lead-Acid Batteries for Stationary Applications (reaffirmation of ANSI/IEEE 485-1997): 12/29/2003
- ANSI/IEEE 776-1993 (R2003), Recommended Practice for Inductive Coordination of Electric Supply and Communication Lines (reaffirmation of ANSI/IEEE 776-1993 (R1998)): 12/29/2003
- ANSI/IEEE 1156.1-1993 (R2003), Standard Microcomputer Environmental Specifications for Computer Modules (reaffirmation of ANSI/IEEE 1156.1-1993): 12/29/2003
- ANSI/IEEE 1156.2-1996 (R2003), Standard for Environmental Specifications for Computer Systems (reaffirmation of ANSI/IEEE 1156.2-1996): 12/29/2003
- ANSI/IEEE 1301.3-1993 (R2003), Standard for a Metric Equipment Practice for Microcomputers - Convection-Cooled with 2.5 mm Connectors (reaffirmation of ANSI/IEEE 1301.3-1993 (R1997)): 12/29/2003
- ANSI/IEEE 1299/C62.22.1-1996 (R2003), Guide for the Connection of Surge Arresters to Protect Insulated, Shielded Electric Power Cable Systems (reaffirmation of ANSI/IEEE 1299/C62.22.1-1996): 12/29/2003

### Revisions

- ANSI/IEEE 524-2003, Guide to the Installation of Overhead Transmission Line Conductors (revision of ANSI/IEEE 524-1993 (R1998)): 12/29/2003
- ANSI/IEEE C37.26-2003, Guide for Methods of Power-Factor Measurement for Low-Voltage Inductive Test Circuits (revision of ANSI/IEEE C37.26-1991 (R1997)): 12/29/2003

## Supplements

- ANSI/IEEE 802.3aj-2003, Information Technology - Telecommunications and Information Exchange Between Systems - Local and Metropolitan Area Networks - Specific Requirements - Part 3: Carrier Sense Multiple Access with Collision Detection (CSMA/CD) Access Method and Physical Layer Specifications - Maintenance #7 (supplement to ANSI/IEEE 802.3-2002): 12/29/2003
- ANSI/IEEE 802.11h-2003, Information Technology - Telecommunications and Information Exchange Between Systems - Local and Metropolitan Area Networks - Specific Requirements - Part 11: Wireless LAN Medium Access Control (MAC) and Physical Layer (PHY) Specifications - Spectrum and Transmit Power Management Extensions in the 5 GHz Band in Europe (supplement to ANSI/IEEE 802.11-1999): 12/29/2003

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

### New National Adoptions

- ANSI/ISO/IEC 14496-5-2001/Amd 2-2003, Information technology - Coding of audio-visual objects - Part 5: Reference software - Amendment 2: MPEG-4 reference software extensions for XMT and media nodes (identical national adoption): 12/24/2003
- INCITS/ISO 19107-2003, Geographic information - Spatial schema (national adoption): 12/24/2003
- INCITS/ISO 19114-2003, Geographic information - Quality evaluation procedures (identical national adoption): 12/24/2003
- INCITS/ISO 19115-2003, Geographic information - Metadata (identical national adoption): 12/24/2003
- INCITS/ISO/IEC 2375-2003, Data Processing - Procedure for Registration of Escape Sequences (identical national adoption and revision of INCITS/ISO 2375-1985): 12/24/2003
- INCITS/ISO/IEC 9594-1-2001, Information technology - Open Systems Interconnection - The Directory: Overview of concepts, models and services (identical national adoption and revision of INCITS/ISO/IEC 9594-1-1995): 12/24/2003
- INCITS/ISO/IEC 9594-2-2001, Information technology - Open Systems Interconnection - The Directory: Models (identical national adoption and revision of INCITS/ISO/IEC 9594-2-1995): 12/24/2003
- INCITS/ISO/IEC 9594-3-2001, Information technology - Open Systems Interconnection - The Directory: Abstract service definition (identical national adoption and revision of INCITS/ISO/IEC 9594-3-1995): 12/24/2003
- INCITS/ISO/IEC 9594-4-2001, Information technology - Open Systems Interconnection - The Directory: Procedures for distributed operation (identical national adoption and revision of INCITS/ISO/IEC 9594-4-1995): 12/24/2003
- INCITS/ISO/IEC 9594-5-2001, Information technology - Open Systems Interconnection - The Directory: Protocol specifications (identical national adoption and revision of INCITS/ISO/IEC 9594-5-1995): 12/24/2003
- INCITS/ISO/IEC 9594-6-2001, Information technology - Open Systems Interconnection - The Directory: Selected attribute types (identical national adoption and revision of INCITS/ISO/IEC 9594-6-1995): 12/24/2003
- INCITS/ISO/IEC 9594-7-2001, Information technology - Open Systems Interconnection - The Directory: Selected object classes (identical national adoption): 12/24/2003
- INCITS/ISO/IEC 9594-8-2001, Information technology - Open Systems Interconnection - The Directory: Public-key and attribute certificate frameworks (identical national adoption and revision of INCITS/ISO/IEC 9594-8-1995): 12/24/2003
- INCITS/ISO/IEC 9594-9-2001, Information technology - Open Systems Interconnection - The Directory: Replication (identical national adoption and revision of INCITS/ISO/IEC 9594-9-1995): 12/24/2003

INCITS/ISO/IEC 9594-10-2001, Information technology - Open Systems Interconnection - The Directory: Use of systems management for administration of the Directory (identical national adoption): 12/24/2003

INCITS/ISO/IEC 10118-3-2003, Information technology - Security techniques - Hash functions - Part 3: Dedicated hash-functions (identical national adoption and revision of INCITS/ISO/IEC 10118-3-1998): 12/24/2003

INCITS/ISO/IEC 10373-6-2001/AM2-2003, Identification cards - Test methods - Part 6: Proximity cards - Amendment 2: Improved RF test methods (identical national adoption): 12/24/2003

INCITS/ISO/IEC 10646-1:2000/AM1-2002, Information technology - Universal Multiple-Octet Coded Character Set (UCS) - Part 1: Architecture and Basic Multilingual Plane - Amendment 1: Mathematical symbols and other characters (identical national adoption and revision of INCITS/ISO/IEC 10646-1:2000/AM1-2002): 12/24/2003

INCITS/ISO/IEC 13250-2003, Information technology - SGML applications - Topic maps (identical national adoption and revision of INCITS/ISO/IEC 13250-2000): 12/24/2003

INCITS/ISO/IEC 13818-7-2003, Information technology - Generic coding of moving pictures and associated audio information - Part 7: Advance Audio Coding (AAC) (identical national adoption and revision of INCITS/ISO/IEC 13818-7-1997): 12/24/2003

INCITS/ISO/IEC 13818-1-2000/AM 1-2003, Information technology - Generic coding of moving pictures and associated audio information: Systems - Amendment 1: Carriage of metadata over ISO/IEC 13818-1 streams (identical national adoption): 12/24/2003

INCITS/ISO/IEC 14496-2-2001/Amd 3-2003, Information technology - Coding of audio-visual objects - Part 2: Visual - Amendment 3: New levels and tools for MPEG-4 visual (identical national adoption): 12/24/2003

INCITS/ISO/IEC 14882-2003, Programming languages - C++ (identical national adoption and revision of INCITS/ISO/IEC 14882-1998): 12/29/2003

INCITS/ISO/IEC 15414-2002, Information technology - Open distributed processing - Reference model - Enterprise language (identical national adoption): 12/24/2003

INCITS/ISO/IEC 15938-5-2003, Information technology - Multimedia content description interface - Part 5: Multimedia description schemes (identical national adoption): 12/30/2003

INCITS/ISO/IEC 15938-6-2003, Information technology - Multimedia content description interface - Part 6: Reference software (identical national adoption): 12/24/2003

INCITS/ISO/IEC 18035-2003, Information technology - Icon symbols and functions for controlling multimedia software applications (identical national adoption): 12/24/2003

INCITS/ISO/IEC 21000-2-2003, Information technology - Multimedia framework (MPEG-21) - Part 2: Digital Item Declaration (identical national adoption): 12/24/2003

INCITS/ISO/IEC 21000-3-2003, Information technology - Multimedia framework (MPEG-21) - Part 3: Digital Item Identification (identical national adoption): 12/24/2003

INCITS/ISO/IEC 23270-2003, Information technology - C# Language Specification (identical national adoption): 12/24/2003

INCITS/ISO/IEC 23271-2003, Information technology - Common Language Infrastructure (identical national adoption): 12/24/2003

INCITS/ISO/IEC 23651-2003, Information technology - 8 mm wide magnetic tape cartridge for information interchange - Helical scan recording - AIT-3 format (identical national adoption): 12/24/2003

INCITS/ISO/IEC 14651:2001/AM1: 2003, Information technology - international string ordering and comparison - Method for comparing character strings and description of the common template tailorable ordering - Amendment 1 (national adoption): 12/24/2003

### *Reaffirmations*

ANSI INCITS 113-1987 (R2003), Information Systems - Programming Language - Full BASIC (reaffirmation of ANSI INCITS 113-1987 (R1998)): 12/29/2003

ANSI INCITS 113a-1989 (R2003), Information Systems - Programming Languages - Modules and Individual Character Input for Full BASIC (reaffirmation of ANSI INCITS 113a-1989 (R1998)): 12/29/2003

ANSI INCITS 228-1993 (R2003), Information Systems - X.25 Data Transfer Phase (DTP) Procedures for Operation with Frame Relay (reaffirmation of ANSI INCITS 228-1993 (R1998)): 12/29/2003

ANSI INCITS X4.6-1979 (R2003), 10-Key Keyboard for Adding and Calculating Machines (reaffirmation of ANSI INCITS X4.6-1979 (R1998)): 12/29/2003

INCITS/ISO 5807-1985 (R2003), Information Processing - Documentation Symbols and Conventions for Data, Program and Systems Flowcharts, Program Network Charts, and System Resources Chart (reaffirmation of INCITS/ISO 5807-1985 (R1998)): 12/29/2003

### **NEMA (ASC C78) (National Electrical Manufacturers Association)**

#### *Revisions*

ANSI C78.60432.1-2003, Electric Lamps- Incandescent Lamps - Safety Specifications - Tungsten Halogen Lamps for Domestic and Similar General Lighting Purposes- Part 1 (revision of ANSI C78.60432.1-2002): 12/29/2003

#### *Supplements*

ANSI C78.387e-2003, Electric Lamps - Metal-Halide-Lamps - Methods of Measuring Characteristics (supplement to ANSI C78.387-1995 (R2003)): 12/29/2003

### **SAE (Society of Automotive Engineers)**

#### *Revisions*

ANSI/SAE AMS 5687J-1990, Alloy Wire, Corrosion and Heat Resistant Nickel Base - 15.5Cr - 8.0Fe Annealed (revision of ANSI/SAE AMS 5687H): 5/10/1990

### **TIA (Telecommunications Industry Association)**

#### *New Standards*

ANSI/TIA 102.BABA-2003, Project 25 - Vocoder Description (new standard): 12/23/2003

#### *Supplements*

ANSI/TIA 568-B.2-6-2003, Commercial Building Telecommunications Cabling Standard - Part 2: Balanced Twisted-Pair Cabling Components - Addendum 6: Category 6 Related Component Test Procedures (supplement to ANSI/TIA/EIA 568-B.2-2001): 12/23/2003

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

#### *Revisions*

ANSI/UL 4-2003, Standard for Safety for Armored Cable (revision of ANSI/UL 4-1998): 12/19/2003

ANSI/UL 471-2003, Standard for Safety for Commercial Refrigerators and Freezers (revision of ANSI/UL 471-1996): 12/19/2003

# 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 (January 2003 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.

## ASTM (ASTM International)

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West Conshohocken, PA 19428-2959

**Contact:** Faith Lanzetta

**Fax:** (610) 832-9666

**E-mail:** flanzett@astm.org

BSR/ASTM WK3604-200x, Test method to determine the misting tendencies of metalworking fluids (new standard)

This test method will determine the tendency of metalworking fluids to form mists. The method will address mist generation as a result of air entrainment, by mechanical means or by volatilization of the fluid at point of cut.

BSR/ASTM WK3619-200x, Guidance in the Design and Validation of Closed-Loop Controllers for Anesthetic and Respiratory Equipment (new standard)

The work item will provide guidance in the development, validation, and implementation of adaptive controllers that operate in real time to regulate patient physiological variables through the simultaneous computer-controlled delivery of one or more therapies, drugs, or other inputs. These 'closed loop' controllers may be incorporated in equipment used in perioperative environments as well as in devices used by ambulatory patients. The work item is intended to apply to all anesthetic and respiratory medical equipment that contain decision support adaptive control systems based on physiologic sensors for the purpose of adjusting and adapting.

BSR/ASTM WK3685-200x, Specification for Large Diameter Steel Reinforced Polyethylene (PE) Corrugated Pipe (new standard)

Develop a new standard for large diameter steel reinforced polyethylene (PE) corrugated pipe.

BSR/ASTM WK3686-200x, Specification for Polypropylene (PP) Corrugated Pipe and Corrugated Dual Wall PP Pipe (4" through 25") (new standard)

Develop a new standard for polypropylene corrugated pipe and dual wall corrugated pipe.

BSR/ASTM WK3693-200x, Test Method for Flash Point by Modified Continuously Closed Cup Flash Point Tester (new standard)

This flash point test method is a dynamic method and depends on definite rates of temperature increase. It is one of the many flash point test methods available, and every flash point test method, including this one, is an empirical method.

## NSF (NSF International)

**Office:** P.O. Box 130140  
Ann Arbor, MI 48113-0140

**Contact:** Lorna Badman

**Fax:** (734) 827-6831

**E-mail:** badman@nsf.org

BSR/NSF 245-200x, Nutrient Reduction (new standard)

Evaluates technologies that are capable of performing nutrient reduction on domestic water from individual homes.

## American National Standards Maintained Under Continuous Maintenance

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

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

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

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

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

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



# ISO Draft International Standards

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

## Comments

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

## Ordering Instructions

**Global Engineering Documents**  
**15 Inverness Way East**  
**Englewood, CO 80112-5704**  
**phone: (800) 854-7179**  
**fax: (303) 379-7956**  
**e-mail: [global@ihs.com](mailto:global@ihs.com)**  
**web: <http://global.ihs.com>**

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## **APPLICATIONS OF STATISTICAL METHODS (TC 69)**

ISO/DIS 18414, Acceptance sampling procedures by attributes - Accept-zero sampling system based on credit principle for controlling outgoing quality - 3/19/2004, \$53.00

## **GAS CYLINDERS (TC 58)**

ISO/DIS 11372, Gas cylinders - Cylinders for dissolved acetylene - Inspection at time of filling - 3/19/2004, \$53.00

ISO/DIS 24431, Gas cylinders - Cylinders for compressed and liquefied gases (excluding acetylene) - Inspection at time of filling - 3/19/2004, \$63.00

## **IMPLANTS FOR SURGERY (TC 150)**

ISO/DIS 14630, Non-active surgical implants - General requirements - 3/19/2004, \$63.00

## **MACHINE TOOLS (TC 39)**

ISO/DIS 3089, Machine tools - Test conditions for self-centring manually operated chucks - 3/19/2004, \$58.00

## **PAINTS AND VARNISHES (TC 35)**

ISO/DIS 6504-3, Paints and varnishes - Determination of hiding power - Part 3: Determination of contrast ratio (opacity) of light-coloured paints at a fixed spreading rate - 3/25/2004, \$58.00

## **ROAD VEHICLES (TC 22)**

ISO/DIS 11992-4, Road vehicles - Interchange of digital information on electrical connections between towing and towed vehicles - Part 4: Diagnostics - 3/19/2004, \$113.00

ISO/DIS 17373, Road vehicles - Sled test procedure for evaluation of cervical spine injury risk in low-speed, rear-end impact - 3/19/2004, \$83.00

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

ISO/DIS 3862-2, Rubber hoses and hose assemblies - Rubber-covered spiral-wire-reinforced types for hydraulic applications - Specification - Part 2: Water-based fluid applications - 3/19/2004, \$58.00

ISO/DIS 11237-2, Rubber hoses and hose assemblies - Wire-braid-reinforced compact types for hydraulic applications - Specification - Part 2: Water-based fluid applications - 3/19/2004, \$58.00

## **SHIPS AND MARINE TECHNOLOGY (TC 8)**

ISO/DIS 15583, Ships and marine technology - Maritime standards list - 3/19/2004, \$165.00

## **SIEVES, SIEVING AND OTHER SIZING METHODS (TC 24)**

ISO/DIS 15901-1, Evaluation of pore size distribution and porosity of materials by mercury porosimetry and gas adsorption - Part 1: Mercury porosimetry - 3/19/2004, \$72.00

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

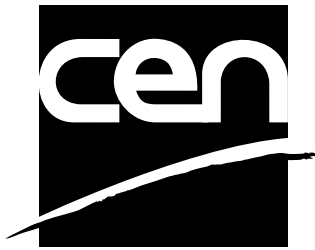
ISO/DIS 9650-1, Small craft - Lifteraft - Part 1: Type I - 3/19/2004, \$83.00

ISO/DIS 9650-2, Small craft - Lifteraft - Part 2: Type II - 3/19/2004, \$78.00

ISO/DIS 9650-3, Small craft - Lifteraft - Part 3: Material - 3/19/2004, \$43.00

ISO/DIS 14509-2, Small craft - Airborne sound emitted by powered recreational craft - Part 2: Sound assessment using reference craft - 3/19/2004, \$49.00

## **CEN/CENELEC Standards Activity**



**Competitive Excellence Through  
Standardization Technology**

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

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

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

### **Ordering Instructions**

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

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

## **CEN**

### **European drafts sent for CEN enquiry**

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

EN 1570: 1998/prA1, Safety requirements for lifting tables - 3/11/2004, \$38.00

EN 12668-1: 2000/prA1, Non-destructive testing - Characterization and verification of ultrasonic examination equipment - Part 1: Instruments - 3/11/2004, \$20.00

EN 12668-2: 2001/prA1, Non-destructive testing - Characterization and verification of ultrasonic examination equipment - Part 2: Probes - 3/11/2004, \$20.00

EN 12668-3: 2000/prA1, Non-destructive testing - Characterization and verification of ultrasonic examination equipment - Part 3: Combined equipment - 3/11/2004, \$20.00

EN 12697-1: 2000/prA1, Bituminous mixtures - Test methods for hot mix asphalt - Part 1: Soluble binder content - 5/11/2004, \$24.00

prEN 692 REVIEW, Machine tools - Mechanical presses - Safety - 5/11/2004, \$94.00

prEN 1077 REVIEW, Helmets for alpine skiers and for snowboarders - 5/11/2004, \$38.00

prEN 1515-3, Flanges and their joints - Bolting - Part 3: Classification of bolt materials for steel flanges, class designated - 5/11/2004, \$24.00

prEN 12079-1, Offshore containers and associated lifting sets - Part 1: Offshore container - Design, manufacture and marking - 5/11/2004, \$60.00

prEN 12079-2, Offshore containers and associated lifting sets - Part 2: Lifting sets - Design, manufacture and marking - 5/11/2004, \$35.00

prEN 12079-3, Offshore containers and associated lifting sets - Part 3: Periodic inspection, examination and testing - 5/11/2004, \$42.00

prEN 12472 REVIEW, Method for the simulation of wear and corrosion test for the detection of nickel release from coated items - 5/11/2004, \$35.00

prEN 12507 REVIEW, Transportation services - Guidance notes on the application of EN ISO 9002 to the road transportation, storage and distribution industries - 4/11/2004, \$35.00

prEN 12900 REVIEW, Refrigerant compressors - Rating conditions, tolerances and presentation of manufacturer's performance data - 5/11/2004, \$35.00

prEN 13445-8, Unfired pressure vessels - Part 8: Additional requirements for pressure vessels of aluminium and aluminium alloys - 5/11/2004, \$54.00

prEN 14067-5, Railway applications - Aerodynamics - Part 5: Requirements and test procedures for aerodynamics in tunnels - 5/11/2004, \$64.00

prEN 14487-2, Sprayed concrete - Part 2: Execution - 4/11/2004, \$38.00

prEN 14863, Vitreous and procelain enamels - Determination of the edge covering on enamelled steel plate to be used in heat exchangers - 5/11/2004, \$24.00

prEN 14864, Vitreous and procelain enamels - Enamel coatings applied to steel for writing surfaces - Specification - 5/11/2004, \$24.00

prEN 14865-2, Railway applications - Axlebox lubrication greases - Part 2: Method to test the mechanical stability to cover vehicle speeds up to 200 km/h - 5/11/2004, \$42.00

prEN 14866, Regenerative, packed enamelled heat exchangers for air-gas and gas-gas heaters - Specification - 5/11/2004, \$26.00

prEN 14867, Packaging - Plastic freezer bags - Specifications and test methods - 5/11/2004, \$46.00

prEN 14868, Protection of metallic materials against corrosion - Corrosion likelihood in water recirculation systems - 5/11/2004, \$46.00

prEN ISO 4521, Metallic coatings - Electrodeposited silver and silver alloy coatings for engineering purposes - Specification and test methods (ISO/DIS 4521: 2003) - 4/4/2004, \$20.00

prEN ISO 8665 REVIEW, Small craft - Marine propulsion reciprocating internal combustion engines - Power measurements and declarations (ISO/DIS 8665: 2003) - 4/11/2004, \$20.00

prEN ISO 9342-1, Optics and optical instruments - Test lenses for calibration of focimeters - Part 1: Test lenses for focimeters used for measuring spectacle lenses (ISO/DIS 9342-1: 2003) - 4/4/2004, \$20.00

prEN ISO 9342-2, Optics and optical instruments - Test lenses for calibration of focimeters - Part 2: Test lenses for focimeters used for measuring contact lenses (ISO/DIS 9342-2: 2003) - 4/4/2004, \$20.00

prEN ISO 10931, Plastics piping systems for industrial applications - Poly(vinylidene fluoride) (PVDF) - Specifications for components and the system (ISO/DIS 10931: 2003) - 4/4/2004, \$20.00

prEN ISO 11403-2 REVIEW, Plastics - Acquisition and presentation of comparable multipoint data - Part 2: Thermal and processing properties (ISO/FDIS 11403-2: 2003) - 2/6/2004, \$20.00

prEN ISO 19980, Ophthalmic instruments - Corneal topographers (ISO/DIS 19980: 2003) - 4/4/2004, \$20.00

prEN ISO 21487, Small craft - Permanently installed petrol and diesel fuel tanks (ISO/DIS 21487: 2003) - 4/11/2004, \$20.00

## 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.

EN 81-1: 1998/prA2, Safety rules for the construction and installation of lifts - Part 1: Electric lifts

EN 81-2: 1998/prA2, Safety rules for the construction and installation of lifts - Part 2: Hydraulic lifts - A2: Machinery and pulley spaces

prCEN/TS 764-6, Pressure equipment - Part 6: Structure and content of operating instructions

prCEN/TS 14397-1, Fertilizers and liming materials - Determination of carbon dioxide - Part 1: Method for solid fertilizers

prEN 1504-4, Products and systems for the protection and repair of concrete structures - Definitions, requirements, quality control and evaluation of conformity - Part 4: Structural bonding

prEN 1504-8, Products and systems for the protection and repair of concrete structures - Definitions, requirements, quality control and evaluation of conformity - Part 8: Quality control and evaluation of conformity

prEN 1514-7, Flanges and their joints - Gaskets for PN-designated flanges - Part 7: Covered metal jacketed gaskets for use with steel flanges

prEN 1634-3 REVIEW, Fire resistance tests for door & shutter assemblies - Part 3: Smoke control doors and shutters

prEN 1992-1-1, Eurocode 2: Design of concrete structures - Part 1-1: General rules and rules for buildings

prEN 1992-1-2, Eurocode 2: Design of concrete structures - Part 1-2: General rules - Structural fire design

prEN 1993-1-1, Eurocode 3: Design of steel structures - Part 1-1: General rules and rules for buildings

prEN 1993-1-2, Eurocode 3: Design of steel structures - Part 1-2: General rules - Structural fire design

prEN 1993-1-8, Eurocode 3: Design of steel structures - Part 1-8: Design of joints

prEN 1993-1-9, Eurocode 3: Design of steel structures - Part 1-9: Fatigue

prEN 1993-1-10, Eurocode 3: Design of steel structures - Part 1-10: Material toughness and through-thickness properties

prEN 1995-1-1, Eurocode 5: Design of timber structures - Part 1-1: General - Common rules and rules for buildings

prEN 1995-1-2, Eurocode 5: Design of timber structures - Part 1-5: General - Structural fire design

prEN 1998-1, Eurocode 8: Design of structures for earthquake resistance - Part 1: General rules, seismic actions and rules for buildings

prEN 1998-5, Eurocode 8: Design of structures for earthquake resistance - Part 5: Foundations, retaining structures and geotechnical aspects

prEN 10168, Steel products - Inspection documents - List of information and description

prEN 12560-7, Flanges and their joints - Gaskets for Class-designated flanges - Part 7: Covered metal jacketed gaskets for use with steel flanges

prEN 12952-14, Water-tube boilers and auxiliary installations - Part 14: Requirements for flue gas DENOX-systems using liquified pressurized ammonia and ammonia water solution

prEN 13000, Cranes - Mobile cranes

prEN 13055-2, Lightweight aggregates - Part 2: Lightweight aggregates for bituminous mixtures and surface treatments and for unbound and bound applications

prEN 13216-1, Chimneys - Test methods for system chimneys - Part 1: General test methods

prEN 13286-2, Unbound and hydraulically bound mixtures - Part 2: Test methods for the determination of the laboratory reference density and moisture content - Proctor compaction

prEN 13411-6, Terminations for steel wire ropes - Safety - Part 6: Asymmetric wedge socket

prEN 13534, Food processing machinery - Curing injection machines - Safety and hygiene requirements

prEN 13748-2, Terrazzo tiles - Part 2: Terrazzo tiles for external use

prEN 14117, Products and systems for the protection and repair of concrete structures - Test methods - Determination of viscosity of cementitious injection products

prEN 14397-2, Fertilizers and liming materials - Determination of carbon dioxide - Part 2: Method for liming materials

prEN 14406, Products and systems for the protection and repair of concrete structures - Test methods - Determination of the expansion ratio and expansion evolution

prEN 14497, Products and systems for the protection and repair of concrete structures - Test methods - Determination of the filtration stability

prEN 14498, Products and systems for the protection and repair of concrete structures - Test methods - Volume and weight changes after air drying and water storage cycles

prEN 14565, Resilient floor coverings - Floor coverings based upon synthetic thermoplastic polymers - Specification

prEN 14861, Forest machinery - Self propelled machinery - Safety requirements

prEN ISO 14314, Reciprocal internal combustion engines - Recoil starting equipment - General safety requirements (ISO/FDIS 14314: 2003)

prEN ISO 20844, Petroleum and related products - Determination of the shear stability of polymer-containing oils using a diesel injector nozzle (ISO/FDIS 20844: 2003)



prEN ISO 20846, Petroleum products - Determination of total sulfur content of automotive fuels - Ultraviolet fluorescence method (ISO/FDIS 20846: 2003)

prEN ISO 20847, Petroleum products - Determination of the sulfur content of automotive fuels - Energy-dispersive X-ray fluorescence spectrometry (ISO/FDIS 20847: 2003)

prEN ISO 20884, Petroleum products - Determination of low sulfur content of automotive fuels - Wavelength-dispersive X-ray fluorescence spectrometry (ISO/FDIS 20884: 2003)

# Proposed Foreign Government Regulations

## Call for Comment

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

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

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

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

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

# Information Concerning

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## ANSI Accredited Standards Developers

### Reaccreditation

#### **ASC A14 - Safety in the Design, Construction, Testing, Selection, Care & Use of Ladders**

Accredited Standards Committee A14, Safety in the Design, Construction, Testing, Selection, Care & Use of Ladders, has been administratively reaccredited under revised operating procedures, effective December 23, 2003. The approved changes are limited to language clarifying existing text and to updates made to bring the document into compliance with the ANSI Essential Requirements. For additional information, please contact: Mr. Ronald Pietrzak, Executive Director, American Ladder Institute, 401 North Michigan Avenue, Chicago, IL 60611; PHONE: (312) 644-6610; FAX: (312) 527-6705; E-mail: [rpietrzak@smithbucklin.com](mailto:rpietrzak@smithbucklin.com).

# STANDARDS ACTION WEEKLY PUBLISHING SCHEDULE FOR 2004

Vol 35	Developer submits data to PSA between these dates		Publish and Public Review			
	ASD submit start (Tuesday)	ASD submit end (Monday)	SA Publish (Friday)	30-day PR ends	45-day PR ends	60-day PR ends
51	12/2/2003	12/8/2003	12/19/2003	1/18/2004	2/2/2004	2/17/2004
52	12/9/2003	12/15/2003	12/26/2003	1/25/2004	2/9/2004	2/24/2004
1	12/16/2003	12/22/2003	1/2/2004	2/1/2004	2/16/2004	3/2/2004
2	12/23/2003	12/29/2003	1/9/2004	2/8/2004	2/23/2004	3/9/2004
3	12/30/2003	1/5/2004	1/16/2004	2/15/2004	3/1/2004	3/16/2004
4	1/6/2004	1/12/2004	1/23/2004	2/22/2004	3/8/2004	3/23/2004
5	1/13/2004	1/19/2004	1/30/2004	2/29/2004	3/15/2004	3/30/2004
6	1/20/2004	1/26/2004	2/6/2004	3/7/2004	3/22/2004	4/6/2004
7	1/27/2004	2/2/2004	2/13/2004	3/14/2004	3/29/2004	4/13/2004
8	2/3/2004	2/9/2004	2/20/2004	3/21/2004	4/5/2004	4/20/2004
9	2/10/2004	2/16/2004	2/27/2004	3/28/2004	4/12/2004	4/27/2004
10	2/17/2004	2/23/2004	3/5/2004	4/4/2004	4/19/2004	5/4/2004
11	2/24/2004	3/1/2004	3/12/2004	4/11/2004	4/26/2004	5/11/2004
12	3/2/2004	3/8/2004	3/19/2004	4/18/2004	5/3/2004	5/18/2004
13	3/9/2004	3/15/2004	3/26/2004	4/25/2004	5/10/2004	5/25/2004
14	3/16/2004	3/22/2004	4/2/2004	5/2/2004	5/17/2004	6/1/2004
15	3/23/2004	3/29/2004	4/9/2004	5/9/2004	5/24/2004	6/8/2004
16	3/30/2004	4/5/2004	4/16/2004	5/16/2004	5/31/2004	6/15/2004
17	4/6/2004	4/12/2004	4/23/2004	5/23/2004	6/7/2004	6/22/2004
18	4/13/2004	4/19/2004	4/30/2004	5/30/2004	6/14/2004	6/29/2004
19	4/20/2004	4/26/2004	5/7/2004	6/6/2004	6/21/2004	7/6/2004
20	4/27/2004	5/3/2004	5/14/2004	6/13/2004	6/28/2004	7/13/2004
21	5/4/2004	5/10/2004	5/21/2004	6/20/2004	7/5/2004	7/20/2004
22	5/11/2004	5/17/2004	5/28/2004	6/27/2004	7/12/2004	7/27/2004
23	5/18/2004	5/24/2004	6/4/2004	7/4/2004	7/19/2004	8/3/2004
24	5/25/2004	5/31/2004	6/11/2004	7/11/2004	7/26/2004	8/10/2004
25	6/1/2004	6/7/2004	6/18/2004	7/18/2004	8/2/2004	8/17/2004
26	6/8/2004	6/14/2004	6/25/2004	7/25/2004	8/9/2004	8/24/2004
27	6/15/2004	6/21/2004	7/2/2004	8/1/2004	8/16/2004	8/31/2004
28	6/22/2004	6/28/2004	7/9/2004	8/8/2004	8/23/2004	9/7/2004
29	6/29/2004	7/5/2004	7/16/2004	8/15/2004	8/30/2004	9/14/2004
30	7/6/2004	7/12/2004	7/23/2004	8/22/2004	9/6/2004	9/21/2004
31	7/13/2004	7/19/2004	7/30/2004	8/29/2004	9/13/2004	9/28/2004

<b>Vol 35</b>	<b>Developer submits data to PSA between these dates</b>		<b>Publish and Public Review</b>			
<b>Issue</b>	<b>ASD submit start (Tuesday)</b>	<b>ASD submit end (Monday)</b>	<b>SA Publish (Friday)</b>	<b>30-day PR ends</b>	<b>45-day PR ends</b>	<b>60-day PR ends</b>
32	7/20/2004	7/26/2004	8/6/2004	9/5/2004	9/20/2004	10/5/2004
33	7/27/2004	8/2/2004	8/13/2004	9/12/2004	9/27/2004	10/12/2004
34	8/3/2004	8/9/2004	8/20/2004	9/19/2004	10/4/2004	10/19/2004
35	8/10/2004	8/16/2004	8/27/2004	9/26/2004	10/11/2004	10/26/2004
36	8/17/2004	8/23/2004	9/3/2004	10/3/2004	10/18/2004	11/2/2004
37	8/24/2004	8/30/2004	9/10/2004	10/10/2004	10/25/2004	11/9/2004
38	8/31/2004	9/6/2004	9/17/2004	10/17/2004	11/1/2004	11/16/2004
39	9/7/2004	9/13/2004	9/24/2004	10/24/2004	11/8/2004	11/23/2004
40	9/14/2004	9/20/2004	10/1/2004	10/31/2004	11/15/2004	11/30/2004
41	9/21/2004	9/27/2004	10/8/2004	11/7/2004	11/22/2004	12/7/2004
42	9/28/2004	10/4/2004	10/15/2004	11/14/2004	11/29/2004	12/14/2004
43	10/5/2004	10/11/2004	10/22/2004	11/21/2004	12/6/2004	12/21/2004
44	10/12/2004	10/18/2004	10/29/2004	11/28/2004	12/13/2004	12/28/2004
45	10/19/2004	10/25/2004	11/5/2004	12/5/2004	12/20/2004	1/4/2005
46	10/26/2004	11/1/2004	11/12/2004	12/12/2004	12/27/2004	1/11/2005
47	11/2/2004	11/8/2004	11/19/2004	12/19/2004	1/3/2005	1/18/2005
48	11/9/2004	11/15/2004	11/26/2004	12/26/2004	1/10/2005	1/25/2005
49	11/16/2004	11/22/2004	12/3/2004	1/2/2005	1/17/2005	2/1/2005
50	11/23/2004	11/29/2004	12/10/2004	1/9/2005	1/24/2005	2/8/2005
51	11/30/2004	12/6/2004	12/17/2004	1/16/2005	1/31/2005	2/15/2005
52	12/7/2004	12/13/2004	12/24/2004	1/23/2005	2/7/2005	2/22/2005
53	12/14/2004	12/20/2004	12/31/2004	1/30/2005	2/14/2005	3/1/2005
1	12/21/2004	12/27/2004	1/7/2005	2/6/2005	2/21/2005	3/8/2005

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