ANSI STANDARDS ACTION

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Contents

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, in accordance with the developer's procedures.

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

ISSN 0038-9633

Comment Deadline: August 12, 2012

APSP (Association of Pool and Spa Professionals)

Revision

BSR/APSP-5-201x, Standard for Residential Inground Swimming Pools (revision of ANSI/APSP 5-2011)

Revises 4-22-11 Articles 6.1 and 6.1.1. This standard applies to permanently installed residential inground swimming pools intended for noncommercial use as a swimming pool by not more than three owner families and their guests and exceeding 24 in. (61 cm) in water depth.

EXCEPTION. Separate ponds, fountains, decorative water features, and reflecting pools or other similar bodies of water that are not intended for bathers are outside the scope of this standard.

Click here to view these changes in full

Send comments (with copy to psa@ansi.org) to: Bernice Crenshaw, (703) 838-0083 x150, bcrenshaw@APSP.org

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

Addenda

BSR/ASHRAE/IES Addendum au to Standard 90.1-2010, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IESNA Standard 90.1-2010)

This addendum adds a fan power deduction for systems without any central heating or cooling device, a requirement that the sound attenuation credit is only available if there are background noise criteria requirements, and a fan power deduction for systems with electric resistance heating.

Click here to view these changes in full

Send comments (with copy to psa@ansi.org) to: Online Comment Database at http://www.ashrae.org/standards-research--technology/public-review-drafts

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

Addenda

BSR/ASHRAE/IES Addendum av to Standard 90.1-2010, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IESNA Standard 90.1-2010)

This addendum removes the mechanical cooling exception for economizer use in Tier IV datacenters.

Click here to view these changes in full

Send comments (with copy to psa@ansi.org) to: Online Comment Database at http://www.ashrae.org/standards-research--technology/public-review-drafts

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

Addenda

BSR/ASHRAE/IES Addendum aw to Standard 90.1-201x, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IESNA Standard 90.1-2010)

This addendum updates the reference to the latest edition of Standard 140, Standard Method of Test for the Evaluation of Building Energy Analysis Computer Programs.

Click here to view these changes in full

Send comments (with copy to psa@ansi.org) to: Online Comment Database at http://www.ashrae.org/standards-research--technology/public-review-drafts

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

Addenda

BSR/ASHRAE/IES Addendum ax to Standard 90.1-201x, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IESNA Standard 90.1-2010)

This addendum requires that all shading by adjacent structures be modeled per G3.1 part 14a.

Click here to view these changes in full

Send comments (with copy to psa@ansi.org) to: Online Comment Database at http://www.ashrae.org/standards-research--technology/public-review-drafts

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

Addenda

BSR/ASHRAE/IES Addendum ay to Standard 90.1-201x, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IESNA Standard 90.1-2010)

This addendum changes the thresholds for applying daylighting controls to a wattage controlled basis, which will apply to more spaces in a buildings for additional energy savings; simplifies the delineation of daylight zones; clarifies area calculation; and eliminates the need for effective aperture calculation.

Click here to view these changes in full

Send comments (with copy to psa@ansi.org) to: Online Comment Database at http://www.ashrae.org/standards-research--technology/public-review-drafts

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

Addenda

BSR/ASHRAE/IES Addendum az to Standard 90.1-201x, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IESNA Standard 90.1-2010)

This addendum increases in the minimum efficiency of open circuit axial fan cooling towers from the current 38.2 gpm/HP to 40.2 gpm/HP (at the rated condition of 95 F entering water temperature, 85 F leaving water temperature, and 75 F entering wet bulb temperature).

Click here to view these changes in full

Send comments (with copy to psa@ansi.org) to: Online Comment Database at http://www.ashrae.org/standards-research--technology/public-review-drafts

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

Addenda

BSR/ASHRAE/IES Addendum ba to Standard 90.1-201x, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IESNA Standard 90.1-2010)

This addendum adds a requirement for window switches that integrate operable window positioning to the mechanical ventilation controls.

Click here to view these changes in full

Send comments (with copy to psa@ansi.org) to: Online Comment Database at http://www.ashrae.org/standards-research--technology/public-review-drafts

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

Addenda

BSR/ASHRAE/IES Addendum bc to Standard 90.1-201x, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IESNA Standard 90.1-2010)

This addendum adds automatic lighting control to guest-room-type spaces for additional energy savings and allow captive key systems that provide similar savings control to also comply

Click here to view these changes in full

Send comments (with copy to psa@ansi.org) to: Online Comment Database at http://www.ashrae.org/standards-research--technology/public-review-drafts

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

Addenda

BSR/ASHRAE/IES Addendum bd to Standard 90.1-201x, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IESNA Standard 90.1-2010)

This addendum modifies the requirements to the functional testing of lighting controls for the common controls required by the standard and adds some clarification to the description of entities allowed to perform the testing and verification.

Click here to view these changes in full

Send comments (with copy to psa@ansi.org) to: Online Comment Database at http://www.ashrae.org/standards-research--technology/public-review-drafts

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

Addenda

BSR/ASHRAE/IES Addendum be to Standard 90.1-201x, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IESNA Standard 90.1-2010)

This addendum makes minor changes to ensure the intended scope of the lighting section.

Click here to view these changes in full

Send comments (with copy to psa@ansi.org) to: Online Comment Database at http://www.ashrae.org/standards-research--technology/public-review-drafts

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

Addenda

BSR/ASHRAE/IES Addendum bf to Standard 90.1-201x, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IESNA Standard 90.1-2010)

This addendum increases the spaces where plug shutoff control is require, clarifies the application of the receptacle control requirement to furniture systems, states a labeling requirement, and restricts the use of non-permanent equipment.

Click here to view these changes in full

Send comments (with copy to psa@ansi.org) to: Online Comment Database at http://www.ashrae.org/standards-research--technology/public-review-drafts

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

Addenda

BSR/ASHRAE/IES Addendum dm to Standard 90.1-201x, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IESNA Standard 90.1-2010)

The addendum adds a size limit for vestibules in large buildings; additionally, exemptions are added for semi-heated spaces and for elevators in parking garages, provided that they have a lobby.

Click here to view these changes in full

Send comments (with copy to psa@ansi.org) to: Online Comment Database at http://www.ashrae.org/standards-research--technology/public-review-drafts

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

Addenda

BSR/ASHRAE/IES Addendum u to Standard 90.1-2010, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IESNA Standard 90.1-2010)

This addendum proposes a fan efficiency metric, with fans being classified based on fan efficiency grades.

Click here to view these changes in full

Send comments (with copy to psa@ansi.org) to: Online Comment Database at http://www.ashrae.org/standards-research--technology/public-review-drafts

ASME (American Society of Mechanical Engineers)

Revision

BSR/ASME PALD-2009, Safety Standard for Portable Automotive Lifting Devices (revision of ANSI/ASME PALD-2009)

The scope of this Standard is the standardization of safety and performance requirements for portable automotive lifting equipment including:

(a) hydraulic hand jacks;

(b) transmission jacks;

(c) engine stands;

(d) vehicle support stands;

(e) emergency tire changing jacks;

(f) upright type mobile lifts;

(g) service jacks;

(h) wheel dollies;

(i) shop cranes;

(j) swing type mobile lifts;

(k) scissors type mobile lifts;

(l) auxiliary stands;

(m) automotive ramps;

(n) high reach supplementary stands;

(o) fork lift jacks;

(p) high-reach fixed stands;

(q) vehicle transport lifts; and

(r) attachments, adapters, and accessories.

This Standard may include requirements for safety, health, design, production, construction, maintenance, performance, or operation of equipment, and/or qualification of personnel.

Click here to view these changes in full

Send comments (with copy to psa@ansi.org) to: Thomas Schellens, (212) 591-8077, schellenst@asme.org

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 73-201x, Motor-Operated Appliances (revision of ANSI/UL 73-2012)

Provides new requirements for insect and rodent control appliances that generate ultraviolet (UV) radiation.

Click here to view these changes in full

Send comments (with copy to psa@ansi.org) to: Megan VanHeirseele, (847) 664-2881, Megan.M.VanHeirseele@ul.com

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 94-201x, Standard for Safety Tests for Flammability of Plastic Materials for Parts in Devices (revision of ANSI/UL 94-2012)

The following changes in requirements to UL 94 are being proposed:

(1) Assigning HB ratings for range of thicknesses based on testing of minimum thickness.

Click here to view these changes in full

Send comments (with copy to psa@ansi.org) to: Raymond Suga, (631) 546 -2593, raymond.m.suga@ul.com

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 174-201X, Standard for Safety for Household Electric Storage Tank Water Heaters (Proposal document dated 07-13-12) (revision of ANSI/UL 174-2011)

Recirculation proposal topic includes:

- Revisions to new supplement B to document the safety requirements for smart enabled household electric storage tank water heaters.

Click here to view these changes in full

Send comments (with copy to psa@ansi.org) to: Vickie Hinton, (919) 549 -1851, vickie.t.hinton@ul.com

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 746A-201x, Standard for Safety for Polymeric Materials - Short Term Property Evaluations (revision of ANSI/UL 746A-2011)

The following changes in requirements to UL 746A are being proposed:

(1) Clarification of HAI electrodes contact point.

Click here to view these changes in full

Send comments (with copy to psa@ansi.org) to: Raymond Suga, (631) 546 -2593, raymond.m.suga@ul.com

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 746B-201x, Standard for Safety for Polymeric Materials - Long Term Property Evaluations (revision of ANSI/UL 746B-2011)

The following changes in requirements to UL 746B are being proposed:

(1) Clarification of offset rules for RTI impact.

Click here to view these changes in full

Send comments (with copy to psa@ansi.org) to: Raymond Suga, (631) 546 -2593, raymond.m.suga@ul.com

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 746C-201x, Standard for Safety for Polymeric Materials - Use in Electrical Equipment Evaluations (revision of ANSI/UL 746C-2012)

The following changes in requirements to UL 746C are being proposed:

(1) Conditioning after UV exposure.

Click here to view these changes in full

Send comments (with copy to psa@ansi.org) to: Raymond Suga, (631) 546 -2593, raymond.m.suga@ul.com

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 1313-201X, Standard for Safety for Nonmetallic Safety Cans for Petroleum Products (revision of ANSI/UL 1313-2003 (R2007))

The following changes in requirements to UL 1313 are being proposed:

(1) Add colored container marking requirements to Marking, Section 31;

(2) Removal of the Newspaper-Fire-Exposure Test; and

(3) Include additional information for the Heated-Rod Test apparatus.

Click here to view these changes in full

Send comments (with copy to psa@ansi.org) to: Heather Sakellariou, (847) 664-2346, Heather.Sakellariou@ul.com

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 2335-201X, Standard for Safety for Fire Tests of Storage Pallets (revision of ANSI/UL 2335-2010a)

(1) Revisions to clarify requirements and update testing details;

(3) Revisions to Commodity Storage Test; and

(4) New marking requirements.

Click here to view these changes in full

Send comments (with copy to psa@ansi.org) to: Kristin Andrews, (408) 754 -6634, Kristin.L.Andrews@ul.com

Comment Deadline: August 27, 2012

AAMI (Association for the Advancement of Medical Instrumentation)

Revision

BSR/AAMI ST77-201x, Containment devices for reusable medical device sterilization (revision of ANSI/AAMI ST77-2006 (R2010))

This standard covers minimum labeling and performance requirements for rigid sterilization container systems and for instrument cases, cassettes, and organizing trays.

Single copy price: $20.00 (AAMI members)/25.00 (list)

Obtain an electronic copy from: www.aami.org

Order from: AAMI Publications; PHONE: 1-877-249-8226; FAX: 1-301-206 -9789

Send comments (with copy to psa@ansi.org) to: Susan Gillespie, (703) 253 -8284, sgillespie@aami.org

ASC X9 (Accredited Standards Committee X9, Incorporated)

Reaffirmation

BSR X9.100-40, Part 1 & 2-2008 (R201x), Specifications for Check Image Tests - Part 1: Definition of Elements and Structures - Part 2: Application and Registration Procedures (reaffirmation of ANSI X9.100-40, Part 1-2008 and ANSI X9.100-40, Part 2-2008)

This Part 1 of ANS X9.100-40 defines the elements and structures for standard check image tests used by the financial industry to assess specific attributes of check images. The specification establishes a framework for defining check image tests, conveying the results from executing a check image test, and conveying any parameters used in executing check image tests. Part 2 of ANS X9.100-40 describes the application and registration procedures used to register check image tests that conform to the ANS X9.100-40 Part 1 standard.

Single copy price: $140.00

Obtain an electronic copy from: janet.busch@x9.org

Order from: Janet Busch, (410) 267-7707, janet.busch@x9.org

Send comments (with copy to psa@ansi.org) to: Same

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

Addenda

BSR/ASHRAE Addendum b to ANSI/ASHRAE Standard 169-2006, Climatic Data for Building Design Standards (addenda to ANSI/ASHRAE Standard 169-2006)

The purpose of this addendum is to provide recognized climatic data for use in building-design and related equipment standards.

Single copy price: $35.00

Obtain an electronic copy from: http://www.ashrae.org/standards-research--technology/public-review-drafts

Order from: standards.section@ashrae.org

Send comments (with copy to psa@ansi.org) to: http://www.ashrae.org/standards-research--technology/public-review-drafts

ASME (American Society of Mechanical Engineers)

Revision

BSR/ASME BPVC Section II-201x, Part A - Ferrous Material Specifications; Part B - Nonferrous Material Specifications; Part D - Materials Properties (revision of ANSI/ASME BPVC Section II-2010)

Section II of the Boiler and Pressure Vessel Code provides material specifications for base metallic and for non-metallic materials (except concrete and fiber-reinforced plastics under the scope of Section X) and material design values and limits and cautions on the use of materials.

Single copy price: Free

Obtain an electronic copy from: http://cstools.asme.org/publicreview

Order from: Mayra Santiago, ASME; ANSIBOX@asme.org

Send comments (with copy to psa@ansi.org) to: Noel Lobo, (212) 591-8460, lobon@asme.org

ATIS (Alliance for Telecommunications Industry Solutions)

Revision

BSR ATIS 0300091-201x, Serialization Standard for Telecommunications Network Infrastructure Equipment (revision of ANSI ATIS 0300091-2007)

This standard provides a format and structure for assigning serial numbers to telecommunications infrastructure equipment.

Single copy price: $55.00

Obtain an electronic copy from: kconn@atis.org

Order from: Kerrianne Conn, (202) 434-8841, kconn@atis.org

Send comments (with copy to psa@ansi.org) to: Same

AWS (American Welding Society)

New National Adoption

BSR/AWS A5.10/A5.10M:20XX (ISO 18273:2004 MOD), Welding Consumables - Wire Electrodes, Wire and Rods for Welding of Aluminum and Aluminum-Alloys - Classification (national adoption with modifications of ISO 18273:2004 MOD)

This specification prescribes requirements for the classification of bare, wrought and cast aluminum-alloy electrodes, and rods for use with the gas metal arc, gas tungsten arc, oxyfuel gas, and plasma arc welding processes. This specification makes use of both U.S. Customary Units and the International System of Units (SI). Since these are not equivalent, each system must be used independently of the other.

Single copy price: $66.00

Obtain an electronic copy from: roneill@aws.org

Order from: Rosalinda O'Neill, (305) 443-9353, roneill@aws.org

Send comments (with copy to psa@ansi.org) to: Andrew Davis, (305) 443 -9353, Ext. 466, adavis@aws.org

AWS (American Welding Society)

Revision

BSR/AWS D15.2/D15.2M-201x, Recommended Practices for Welding of Rails and Related Rail Components for Use by Rail Vehicles (revision of ANSI/AWS D15.2/D15.2M-201x)

This document recommends the minimum standards for the maintenance welding of rails and related rail components used by rail vehicles. Repair procedures for rails and austenitic manganese steel components are covered. Thermite welding and electric flash welding guidelines are discussed. Procedure qualification, welder qualification, and general welding safety procedures are addressed.

Single copy price: $38.50

Obtain an electronic copy from: roneill@aws.org

Order from: Rosalinda O'Neill, (305) 443-9353, roneill@aws.org

Send comments (with copy to psa@ansi.org) to: Andrew Davis, (305) 443 -9353, Ext. 466, adavis@aws.org

AWWA (American Water Works Association)

Revision

BSR/AWWA C221-201x, Fabricated Steel Mechanical Slip-Type Expansion Joints (revision of ANSI/AWWA C221-2007)

This standard describes fabricated steel mechanical slip-type expansion joints having packing chambers for use on pipe with plain, flanged, grooved, or shouldered ends in nominal pipe sizes from 3 in. through 144 in. (75 mm through 3,600 mm). The joints shall be manufactured from steel and are intended for use in systems conveying water. Mechanical expansion joints are not intended for use in buried conditions.

Single copy price: $20.00

Obtain an electronic copy from: vdavid@awwa.org

Order from: Paul Olson, (303) 347-6178, polson@awwa.org

Send comments (with copy to psa@ansi.org) to: Same

ECA (Electronic Components Association)

New Standard

BSR/EIA 970-201x, Test procedure for high frequency characterization of low inductance multilayer ceramic chip capacitors (new standard)

This test method is used to measure the S parameters of low-inductance multilayer ceramic capacitors when mounted in shunt on a probable low-inductance test fixture. The test method can be used to characterize low-inductance capacitors. The output of this specification is a frequency-independent lumped element representation of a capacitor consisting of three elements - equivalent series capacitance (ESC), equivalent series resistance (ESR), and equivalent series inductance (ESL) - applicable in the range of 30 kHz to 3 GHz.

Single copy price: $67.00

Obtain an electronic copy from: global.ihs.com

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

Send comments (with copy to psa@ansi.org) to: Edward Mikoski, (571) 323-0253, emikoski@eciaonline.org

EOS/ESD (ESD Association, Inc.)

Revision

BSR/ESD SP14.1-201x, ESD Association Draft Standard Practice for the Protection of Electrostatic Discharge Susceptible Items - System Level Electrostatic Discharge (ESD) Simulator Verification (revision of ANSI/ESD SP14.1-2004)

This document defines a time-domain measurement technique for verifying compliance with discharge current specifications given in system-level ESD standards.

Single copy price: 105.00 (List)/$75.00 (ESD Members) [Hardcopy]; $130.00 (List)/$100.00 (ESD Members) [Softcopy]

Obtain an electronic copy from: cearl@esda.org

Order from: Christina Earl, (315) 339-6937, cearl@esda.org

Send comments (with copy to psa@ansi.org) to: Same

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

New National Adoption

INCITS/ISO/IEC 11770-1-201x, Information technology - Security techniques - Key management - Part 1:Framework (identical national adoption of ISO/IEC 11770-1:2010 and revision of INCITS/ISO/IEC 11770-1:2010)

Defines a general model of key management that is independent of the use of any particular cryptographic algorithm. However, certain key distribution mechanisms can depend on particular algorithm properties, for example, properties of asymmetric algorithms. This standard contains the material required for a basic understanding of subsequent parts. Examples of the use of key management mechanisms are included in ISO 11568. If non-repudiation is required for key management, ISO/IEC 13888 is applicable.

Single copy price: $30.00

Obtain an electronic copy from: http://www.incits.org or http://webstore.ansi.org

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

Send comments (with copy to psa@ansi.org) to: Rachel Porter, 202-626-5741, rporter@itic.org

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

New National Adoption

INCITS/ISO/IEC 14776-372:2011, Information technology - Small Computer System Interface (SCSI) - Part 372: SCSI Enclosure Services - 2 (SES-2) (identical national adoption of ISO/IEC 14776-372:2011)

ISO/IEC 14776-372:2011(E) documents the commands and parameters necessary to manage and sense the state of the power supplies, cooling devices, displays, indicators, individual drives, and other non-SCSI elements installed in an enclosure. The command set uses the SCSI SEND DIAGNOSTIC and RECEIVE DIAGNOSTIC RESULTS command to obtain configuration information for the enclosure and to set and sense standard bits for each type of element that may be installed in the enclosure.

Single copy price: $250.00

Obtain an electronic copy from: http://www.incits.org or http://webstore.ansi.org

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

Send comments (with copy to psa@ansi.org) to: Barbara Bennett, (202) 626-5743, bbennett@itic.org

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

New National Adoption

INCITS/ISO/IEC 15408-2-201x, Information technology - Security techniques - Evaluation criteria for IT security - Part 2: Security functional components (identical national adoption of ISO/IEC 15408-2:2008 and revision of INCITS/ISO/IEC 15408-2:2008)

Defines the content and presentation of the security functional requirements to be assessed in a security evaluation using ISO/IEC 15408. This standard contains a comprehensive catalogue of predefined security functional components that will meet most common security needs of the marketplace. These are organized using a hierarchical structure of classes, families, and components; and supported by comprehensive user notes.

Single copy price: $30.00

Obtain an electronic copy from: http://www.incits.org or http://webstore.ansi.org

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

Send comments (with copy to psa@ansi.org) to: Rachel Porter, 202-626-5741, rporter@itic.org

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

New National Adoption

INCITS/ISO/IEC 15408-3-201x, Information technology - Security techniques - Evaluation criteria for IT security - Part 3: Security assurance components (identical national adoption of ISO/IEC 15408-3:2008 and revision of INCITS/ISO/IEC 15408-3-2008)

Defines the assurance requirements of the evaluation criteria. It includes the evaluation assurance levels that define a scale for measuring assurance for component targets of evaluation (TOEs), the composed assurance packages that define a scale for measuring assurance for composed TOEs, the individual assurance components from which the assurance levels and packages are composed, and the criteria for evaluation of protection profiles and security targets.

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Send comments (with copy to psa@ansi.org) to: Rachel Porter, 202-626-5741, rporter@itic.org

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

Reaffirmation

BSR INCITS 358-2002 (R201x), Information technology - BioAPI Specification (reaffirmation of ANSI INCITS 358-2002 (R2007))

Defines the Application Programming Interface and Service Provider Interface for a standard biometric technology interface. It is beyond the scope of this specification to define security requirements for biometric applications and service providers, although some related information is included by way of explanation of how the API is intended to support good security practices.

Single copy price: $30.00

Obtain an electronic copy from: http://www.incits.org or http://webstore.ansi.org

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

Send comments (with copy to psa@ansi.org) to: Barbara Bennett, (202) 626-5743, bbennett@itic.org

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

Reaffirmation

BSR INCITS 358-2002/AM 1-2007 (R201x), Information technology - BioAPI Specification (version 1.1) - Amendment 1: Support for Biometric Fusion (reaffirmation of ANSI INCITS 358-2002/AM 1-2007)

This Amendment to INCITS 358 adds support for biometric fusion to the standard and extends the API and the SPI of BioAPI by specifying new functions and new values for existing data types.

Single copy price: $30.00

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

Reaffirmation

BSR INCITS 434-2007 (R201x), Information technology - Tenprint capture using BioAPI (reaffirmation of ANSI INCITS 434-2007)

This standard specifies requirements for the use of ISO/IEC 19784-1, BioAPI Specification (also known as BioAPI 2.0), a software interface standard, for the purpose of performing a tenprint capture operation. This includes one or more of the following:

(1) Identification of BioAPI functions to be utilized and the order (if any) in which they are to be called;

(2) Specification of values for function parameters;

(3) Definition of GUI (graphical user interface) events (for use with an application controlled GUI);

(4) User interface specifications for use with a BSP (biometric service provider) controlled GUI; and

(5) Sample calling sequences and example inputs/outputs.

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

Reaffirmation

INCITS/ISO 19134-2007 (R201x), Geographic information - Location Based Services - Multimodal routing and navigation (reaffirmation of INCITS/ISO 19134-2007)

ISO 19134:2006 specifies the data types and their associated operations for the implementation of multimodal location-based services for routing and navigation. It is designed to specify web services that may be made available to wireless devices through web-resident proxy applications, but is not limited to that environment.

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

Reaffirmation

INCITS/ISO 19111:2007 (R201x), Geographic information - Spatial referencing by coordinates (reaffirmation of INCITS/ISO 19111:2007)

Defines the conceptual schema for the description of spatial referencing by coordinates, optionally extended to spatio-temporal referencing. This standard describes the minimum data required to define one-, two-, and three-dimensional spatial coordinate reference systems with an extension to merged spatial-temporal reference systems. It allows additional descriptive information to be provided. It also describes the information required to change coordinates from one coordinate reference system to another.

Single copy price: $30.00

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

Reaffirmation

INCITS/ISO/IEC 9542-2002 (R201x), Information Processing Systems - Telecommunications and Information Exchange between Systems - End System to Intermediate System Routeing Exchange Protocol for Use in Conjunction with the Protocol for Providing the Connectionless-Mode Network Service (ISO 8473) (reaffirmation of INCITS/ISO/IEC 9542-2002 (R2007))

This International Standard specifies a protocol that is used by Network Layer entities operating ISO 8473 in End Systems and Intermediate Systems (referred to in this standard as ES and IS, respectively) to maintain routeing information. The Protocol described in this standard relies upon the provision of a connectionless-mode underlying service.

Single copy price: $30.00

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

Reaffirmation

INCITS/ISO/IEC 10030-2002 (R201x), Information technology - Telecommunications and information exchange between systems - End System Routeing Information Exchange Protocol for use in conjunction with ISO/IEC 8878 (reaffirmation of INCITS/ISO/IEC 10030-2002 (R2007))

This International Standard defines a protocol for the exchange of routeing information between an End System and a Subnetwork Address Resolution Entity, and between an Intermediate System and a Subnetwork Address Resolution Entity.

Single copy price: $30.00

Obtain an electronic copy from: http://www.incits.org or http://webstore.ansi.org

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

Reaffirmation

INCITS/ISO/IEC 10589-2002 (R201x), Information technology - Telecommunications and information exchange between systems - Intermediate System to Intermediate System intra-domain routeing information exchange protocol for use in conjunction with the protocol for providing the connectionless-mode network service (ISO 8473) (reaffirmation of INCITS/ISO/IEC 10589-2002)

This International Standard specifies a protocol that is used by Network Layer entities operating the protocol specified in ISO 8473 in Intermediate Systems to maintain routeing information for the purpose of routeing within a single routeing domain. The protocol specified in this International Standard relies upon the provision of a connectionless-mode underlying service.

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

Reaffirmation

INCITS/ISO/IEC 10746-1-1998 (R201x), Information Technology - Open Distributed Processing - Reference Model - Open Distributed Processing - Part 1: Overview (reaffirmation of INCITS/ISO/IEC 10746-1-1998 (R2007))

This Recommendation | International Standard:

- gives an introduction and motivation for ODP;

- provides an overview of the Reference Model of Open Distributed Processing (RM-ODP) and an explanation of its key concepts; and

- gives guidance on the application of the RM-ODP.

Single copy price: $30.00

Obtain an electronic copy from: http://www.global.ihs.com

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

Reaffirmation

INCITS/ISO/IEC 10746-4-1998 (R201x), Information Technology - Open Distributed Processing - Reference Model - Open Distributed Processing - Part 4: Architectural Semantics (reaffirmation of INCITS/ISO/IEC 10746-4-1998 (R2007))

The purpose of this standard is provide an architectural semantics for ODP.

Single copy price: $30.00

Obtain an electronic copy from: http://www.incits.org or http://webstore.ansi.org

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

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

Reaffirmation

INCITS/ISO/IEC 10746-4-1998/AM1-2001 (R201x), Information Technology - Open Distributed Processing - Reference Model: Architectural Semantics - Part 4 - Amendment 1: Computational Formalization (reaffirmation of INCITS/ISO/IEC 10746-4-1998/AM1-2001 (R2007))

Amendment 1 to International Standard ISO/IEC 10746-4:1998.

Single copy price: $30.00

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

Reaffirmation

INCITS/ISO/IEC 13235-1-1998 (R201x), Information Technology - Open Distributed Processing - Trading Function - Part 1: Specification (reaffirmation of INCITS/ISO/IEC 13235-1-1998 (R2007))

The scope of this standard is:

- an enterprise specification for the trading function;
- an information specification for the trading function;
- a computational specification for traders; and
- conformance requirements in terms of conformance points.

Single copy price: $30.00

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

Reaffirmation

INCITS/ISO/IEC 13235-3-1998 (R201x), Information Technology - Open Distributed Processing - Trading Function - Part 3: Provision of Trading Function using OSI Directory Service (reaffirmation of INCITS/ISO/IEC 13235-3-1998 (R2007))

This part of the standard describes how the ODP trading function can be realized using information entries and support mechanisms of the OSI Directory.

Single copy price: $30.00

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

Reaffirmation

INCITS/ISO/IEC 19101-2002 (R201x), Geographic information - Reference Model (reaffirmation of INCITS/ISO/IEC 19101-2002 (R2007))

This International Standard defines the framework for standardization in the field of geographic information and sets forth the basic principles by which this standardization takes place. This framework identifies the scope of the standardization activity being undertaken and the context in which it takes place. The framework provides the method by which what is to be standardized can be determined and describes how the contents of the standards are related.

Single copy price: $30.00

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

Reaffirmation

INCITS/ISO/IEC 19137-2007 (R201x), Geographic information - Core profile of the spatial schema (reaffirmation of INCITS/ISO/IEC 19137-2007)

This International Standard defines a core profile of the spatial schema specified in ISO 19107 that specifies, in accordance with ISO 19106, a minimal set of geometric elements necessary for the efficient creation of application schemata. This International Standard supports many of the spatial data formats and description languages already developed and in broad use within several nations or liaison organizations.

NOTE: Data modeled with this International Standard are consistent with spatial models already developed and used by a number of organizations; see Annex A.

Single copy price: $30.00

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

Reaffirmation

INCITS/ISO/IEC 19784-1-2006 (R201x), Information technology - BioAPI - Biometric Application Programming Interface - Part 1: BioAPI Specification (reaffirmation of INCITS/ISO/IEC 19784-1-2006)

ISO/IEC 19784-1:2006 provides a defined interface that allows a software application to communicate with (utilize the services of) one or more biometric technologies. It includes a high-level generic biometric authentication model suited to a broad range of biometrically enabled applications and to most forms of biometric technology. An architectural model is described which enables components of a biometric system to be provided by different vendors, and to interwork through fully defined Application Programming Interfaces (APIs), corresponding Service Provider Interfaces (SPIs), and associated data structures.

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

Reaffirmation

INCITS/ISO/IEC 19794-2-2007 (R201x), Information technology - Biometric Data Interchange Formats - Part 2: Finger Minutiae Data (reaffirmation of INCITS/ISO/IEC 19794-2-2007)

ISO/IEC 19794-2:2005 specifies a concept and data formats for representation of fingerprints using the fundamental notion of minutiae. It is generic, in that it may be applied and used in a wide range of application areas where automated fingerprint recognition is involved. ISO/IEC 19794-2:2005 contains definitions of relevant terms, a description of how minutiae shall be determined, data formats for containing the data for both general use and for use with cards, and conformance information. Guidelines and values for matching and decision parameters are provided in an informative annex.

Single copy price: $30.00

Obtain an electronic copy from: http://www.incits.org or http://webstore.ansi.org

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

Reaffirmation

INCITS/ISO/IEC 19794-1-2007 (R201x), Information technology - Biometric Data Interchange Formats - Part 1: Framework (reaffirmation of INCITS/ISO/IEC 19794-1-2007)

Standardized biometric data interchange formats are crucial to the interoperability of biometric components. ISO/IEC 19794-1:2006 describes general aspects of biometric data interchange formats and specifies requirements to be taken into account in standardizing specific formats. It classifies biometric data according to their processing level and establishes a naming concept for biometric data interchange formats on this basis.

Single copy price: $30.00

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

Reaffirmation

INCITS/ISO/IEC 19794-3-2007 (R201x), Information technology - Biometric Data Interchange Formats - Part 3: Finger Pattern Spectral Data (reaffirmation of INCITS/ISO/IEC 19794-3-2007)

ISO/IEC 19794-3:2006, the finger pattern spectral data interchange format, specifies requirements for the representation of local or global spectral data derived from a fingerprint image. The format is designed to provide flexibility in the choice of spectral representation in that spectral components may be based on quantized co-sinusoidal triplets, Discrete Fourier Transformations, or Gabor filters. The format also allows for a variable number of spectral components to be retained, which enables data representations in a form that is more compact than storage of the entire fingerprint image.

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

Reaffirmation

INCITS/ISO/IEC 19794-4-2007 (R201x), Information technology - Biometric Data Interchange Formats - Part 4: Finger Image Data (reaffirmation of INCITS/ISO/IEC 19794-4-2007)

ISO/IEC 19794-4:2005 specifies a data record interchange format for storing, recording, and transmitting the information from one or more finger or palm image areas within an ISO/IEC 19785-1 CBEFF data structure. This can be used for the exchange and comparison of finger image data. It defines the content, format, and units of measurement for the exchange of finger image data that may be used in the verification or identification process of a subject. The information consists of a variety of mandatory and optional items, including scanning parameters, compressed or uncompressed images, and vendor-specific information.

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

Reaffirmation

INCITS/ISO/IEC 19794-5-2007 (R201x), Information technology - Biometric Data Interchange Formats - Part 5: Face Image Data (reaffirmation of INCITS/ISO/IEC 19794-5-2007)

ISO/IEC 19794-5:2005 specifies scene, photographic, digitization, and format requirements for images of faces to be used in the context of both human verification and computer automated recognition. The approach to specifying scene and photographic requirements in this format is to carefully describe constraints on how a photograph should appear rather than to dictate how the photograph should be taken. The format is designed to allow for the specification of visible information discernible by an observer pertaining to the face, such as gender, pose and eye color.

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

Reaffirmation

INCITS/ISO/IEC 19794-6-2007 (R201x), Information technology - Biometric Data Interchange Formats - Part 6: Iris Image Data (reaffirmation of INCITS/ISO/IEC 19794-6-2007)

ISO/IEC 19794-6:2005 specifies two alternative image interchange formats for biometric authentication systems that utilize iris recognition. The first is based on a rectilinear image storage format that may be a raw, uncompressed array of intensity values or a compressed format such as that specified by ISO/IEC 15444. The second format is based on a polar image specification that requires certain pre-processing and image segmentation steps, but produces a much more compact data structure that contains only iris information.

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

Reaffirmation

INCITS/ISO/IEC 19794-7-2007 (R201x), Information technology - Biometric Data Interchange Formats - Part 7: Sign/Signature Series Data (reaffirmation of INCITS/ISO/IEC 19794-7-2007)

ISO/IEC 19794-7:2007 specifies two data interchange formats for signature/sign behavioral data captured in the form of time series using devices such as digitizing tablets or advanced pen systems. One data interchange format is for general use and the other one is a compact format for use with smart cards or other tokens. Both data interchange formats can be used for both acquired signature/sign samples (serving as a starting point for feature extraction) and for time-series features (to be compared directly by time-series based comparison algorithms).

Single copy price: $30.00

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

Reaffirmation

INCITS/ISO/IEC 19794-9-2007 (R201x), Information technology - Biometric Data Interchange Formats - Part 9: Vascular Biometric Image Data (reaffirmation of INCITS/ISO/IEC 19794-9-2007)

ISO/IEC 19794-9:2007 defines the exchange of human vascular biometric image information. It defines a specific definition of attributes, a data record format for storing and transmitting vascular biometric images and certain attributes, a sample record, and conformance criteria.

Single copy price: $30.00

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

Reaffirmation

INCITS/ISO/IEC 19794-10-2007 (R201x), Information technology - Biometric Data Interchange Formats - Part 10: Hand Geometry Silhouette Data (reaffirmation of INCITS/ISO/IEC 19794-10-2007)

ISO/IEC 19794-10:2007 specifies a data record interchange format for storing, recording, and transmitting the information from one or more hand silhouettes within a Common Biometric Exchange Formats Framework (CBEFF) data structure. It defines the content, format and units of measurement for the exchange of hand silhouette data that may be used in the verification or identification process of a subject. The information consists of a variety of mandatory and optional items, including data capture parameters, standardized hand position, and vendor-specific information.

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

Withdrawal

ANSI INCITS 422-2007, Information technology - Application Profile for Commercial Biometric Physical Access Control (withdrawal of ANSI INCITS 422-2007)

The proposed standard is intended to support the deployment of standards based interoperable biometric physical access control systems for commercial purposes. The standard's goals include capturing the needs of vendors, integrators, customers, and users for these systems. The proposed standard would provide guidance as to the use of applicable standards when enrolling, and when attempting access. The standard is expected to address the needs of regular users (employees, contractors, occupants, etc.) as well as visitors.

Single copy price: $30.00

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

Reaffirmation

INCITS/ISO/IEC 19795-1-2007 (R201x), Information technology - Biometric Performance Testing and Reporting - Part 1: Principles and Framework (reaffirmation of INCITS/ISO/IEC 19795-1-2007)

This part of ISO/IEC 19795 establishes general principles for testing the performance of biometric systems in terms of error rates and throughput rates for purposes including prediction of performance, comparison of performance, and verifying compliance with specified performance requirements; specifies performance metrics for biometric systems; specifies requirements on test methods, recording of data and reporting of results; and provides a framework for developing and describing test protocols, to help avoid bias due to inappropriate data collection or analytic procedures, etc.

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

Withdrawal

ANSI INCITS 448-2008, Information Technology - SCSI Enclosure Services - 2 (SES-2) (withdrawal of ANSI INCITS 448-2008)

This standard documents the commands and parameters necessary to manage and sense the state of the power supplies, cooling devices, displays, indicators, individual drives, and other non-SCSI elements installed in an enclosure. The command set uses the SCSI SEND DIAGNOSTIC and RECEIVE DIAGNOSTIC RESULTS commands (see SPC-4) to obtain configuration information for the enclosure and to set and sense standard bits for each type of element that may be installed in the enclosure.

Single copy price: $30.00

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

Withdrawal

ANSI INCITS 145-1986 (R2007), Codes for Identification of Hydrologic Units in the U.S. and the Caribbean (Outlying) Areas (withdrawal of ANSI INCITS 145-1986 (R2007))

This standard contains a notice of where to purchase the Geological Survey.

Single copy price: $30.00

Obtain an electronic copy from: http://www.incits.org or http://webstore.ansi.org

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NEMA (ASC C29) (National Electrical Manufacturers Association)

Reaffirmation

BSR C29.1-1988 (R201x), Electrical Power Insulators - Test Methods (reaffirmation of ANSI C29.1-1988 (R2002))

This standard comprises a manual of test methods to be followed in making tests to determine the characteristics of wet-process porcelain electrical power insulators.

Single copy price: $44.00

Order from: Steve Griffith, 703-841-3297, Steve.Griffith@nema.org

Send comments (with copy to psa@ansi.org) to: Same

SCTE (Society of Cable Telecommunications Engineers)

Revision

BSR/SCTE 16-201x, Test Procedure for Hum Modulation (revision of ANSI/SCTE 16-2001 (R2007))

The purpose of this standard is to define and measure hum modulation in active and passive broadband RF telecommunications equipment and sub-assemblies. This procedure presents two methods for measuring hum modulation in the time domain, with a sensitivity exceeding -80 dB.

Single copy price: $50.00

Obtain an electronic copy from: standards@scte.org

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Send comments (with copy to psa@ansi.org) to: standards@scte.org

SCTE (Society of Cable Telecommunications Engineers)

Revision

BSR/SCTE 11-201x, Test Method for Aerial Cable Corrosion Protection Flow (revision of ANSI/SCTE 11-2001 (R2006))

This test is to determine that moisture blocking material used in cables intended for indoor and aerial applications, does not flow or drip out of the cable.

Single copy price: $50.00

Obtain an electronic copy from: standards@scte.org

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

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SCTE (Society of Cable Telecommunications Engineers)

Revision

BSR/SCTE 28-201x, HOST-POD Interface Standard (revision of ANSI/SCTE 28-2007)

This standard defines the characteristics and normative specifications for the interface between Point of Deployment (POD) security modules owned and distributed by cable operators, and commercially available consumer receivers and set-top terminals (”Host devices'”) that are used to access multi-channel television programming carried on North American cable systems.

Single copy price: $50.00

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Send comments (with copy to psa@ansi.org) to: standards@scte.org

TAPPI (Technical Association of the Pulp and Paper Industry)

New Standard

BSR/TAPPI T 839 om-201x, Edgewise compressive strength of corrugated fiberboard using the clamp method (short column test) (new standard)

This method describes procedures for determining the edgewise compressive strength, with flutes vertical, loading perpendicular to the axis of the flutes, of a short column of single-, double-, or triple-wall corrugated fiberboard.

Single copy price: Free

Obtain an electronic copy from: standards@tappi.org

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Send comments (with copy to psa@ansi.org) to: standards@tappi.org

TIA (Telecommunications Industry Association)

Reaffirmation

BSR/TIA 41.200-E-2007 (R201x), Mobile Application Part (MAP) - Intersystem Handoff (reaffirmation of ANSI/TIA 41.200-E-2007)

This specification presents the recommendation for the handoff sequence between two different Mobile Switching Centers (MSCs). This is often called “intersystem handoff”. To perform an intersystem handoff means to switch a Mobile Station (MS) telephone call that is in progress on one MSC, to a different MSC. In other words, an MS is assigned to a voice/traffic channel that is controlled by a different MSC. This project is to reaffirm the standard.

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TIA (Telecommunications Industry Association)

Reaffirmation

BSR/TIA 41.290-E-2007 (R201x), Mobile Application Part (MAP) - Intersystem Handoff - Annex A (reaffirmation of ANSI/TIA 41.290-E-2007)

The Data Message Handler standard has some impact upon MAP. The changes that impact MAP Intersystem Operations are outlined in this standard. This project is to reaffirm the standard.

Single copy price: $63.00

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TIA (Telecommunications Industry Association)

Reaffirmation

BSR/TIA 41.321-E-2007 (R201x), Mobile Application Part (MAP): Voice Feature Scenarios: Call Delivery (reaffirmation of ANSI/TIA 41.321-E-2007)

This section depicts the interactions between network entities in various situations related to automatic roaming and Call Delivery (CD). These scenarios are informative. This project is reaffirm the standard.

Single copy price: $82.00

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TIA (Telecommunications Industry Association)

Reaffirmation

BSR/TIA 41.322-E-2007 (R201x), Mobile Application Part (MAP) - Voice Feature Scenarios: Call Forwarding (reaffirmation of ANSI/TIA 41.322-E -2007)

This section depicts the interactions between network entities in various situations related to automatic roaming and Call Forwarding—Busy (CFB). These scenarios are for illustrative purposes only. This project is to reaffirm this standard.

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TIA (Telecommunications Industry Association)

Reaffirmation

BSR/TIA 41.323-E-2007 (R201x), Mobile Application Part (MAP) - Voice Feature Scenarios: Call Waiting (reaffirmation of ANSI/TIA 41.323-E-2007)

This section depicts the interactions between network entities in various situations related to automatic roaming and Call Waiting (CW). These scenarios are for illustrative purposes only. This project is to reaffirm this standard.

Single copy price: $63.00

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TIA (Telecommunications Industry Association)

Reaffirmation

BSR/TIA 41.324-E-2007 (R201x), Mobile Application Part (MAP) - Voice Feature Scenarios: Calling Number Identification Presentation, Calling Number Identification Restriction (reaffirmation of ANSI/TIA 41.324-E-2007)

This standard depicts the communications between network entities in various situations related to automatic roaming and Calling Number Identification Presentation (CNIP). These scenarios are for illustrative purposes only. This project is to reaffirm this standards.

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Reaffirmation

BSR/TIA 93-B-1-2006 (R201x), Wireless Telecommunications Ai - Di Interfaces Standard - Addendum 1 (reaffirmation of ANSI/TIA 93-B-1-2006)

The purpose of this standard is to enable separate telecommunications elements to provide compatible interconnecting equipment and signaling. This project is to reaffirm the standard.

Single copy price: $163.00

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UL (Underwriters Laboratories, Inc.)

New Standard

BSR/UL 879A-201x, LED Sign and Sign Retrofit Kits (new standard)

(1) The proposed First Edition of the Standard for LED Sign and Sign Retrofit Kits, UL 879A.

Single copy price: Contact comm2000 for pricing and delivery options

Obtain an electronic copy from: http://www.comm-2000.com

Order from: comm2000

Send comments (with copy to psa@ansi.org) to: Megan VanHeirseele, (847) 664-2881, Megan.M.VanHeirseele@ul.com

UL (Underwriters Laboratories, Inc.)

New Standard

BSR/UL 1973-201x, Batteries for Use in Light Electric Rail (LER) Applications and Stationary Applications (new standard)

Provides the proposed first edition of the Standard for Batteries for Use in Light Electric Rail (LER) Applications and Stationary Applications, UL 1973. This standard covers batteries for use as energy storage for stationary applications such as for PV, wind turbine storage, or for UPS, etc. applications. These requirements also cover light electric rail (LER) applications and stationary rail applications such as rail substations. These batteries are intended for installation within either the rail car or within a sheltered stationary location such as a rail substation.

Single copy price: Contact comm2000 for pricing and delivery options

Obtain an electronic copy from: http://www.comm-2000.com

Order from: comm2000

Send comments (with copy to psa@ansi.org) to: Megan VanHeirseele, (847) 664-2881, Megan.M.VanHeirseele@ul.com

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 69-201X, Standard for Safety for Electric-Fence Controllers (revision of ANSI/UL 69-2011)

(1) Revision to scope;

(2) Software managed outputs; and

(3) Addition and revision of requirements to relocate component standard references from Appendix A into the body of the standard as component requirements.

Single copy price: Contact comm2000 for pricing and delivery options

Obtain an electronic copy from: http://www.comm-2000.com

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Send comments (with copy to psa@ansi.org) to: Mitchell Gold, (847) 664-2850, Mitchell.Gold@ul.com

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 507-201x, Standard for Electric Fans (revision of ANSI/UL 507-2012)

(1) Clarification of -R cord requirements for commercial or industrial fans;

(2) Addition of an exception for static load testing for cord-connected rangehoods;

(3) Markings for wall and ceiling insert fans - Polymeric housings;

(4) Clarification of cord tag markings in 62.8.3;

(5) Clarification of the usable normal condition definition;

(6) Addition of a new section for fans operating from rechargeable battery power;

(7) Downdraft Temperature Test - Lift Motors;

(8) Permanence of cord tag markings;

(9) Interconnecting cords and leads - Test clarification;

(10) Outdoor use product and - R supply cords, fuseholder placement, and fuse replacement markings;

(12) Clarification of paragraph 70.2.2;

(13) Miscellaneous revisions for paragraphs 6.1.5 and 24.3;

(14) Deletion of paragraph 14.1.4 and revision to 14.1.3 to require a fan be used only with the cord with which it was supplied.

(15) Revision for an alternate Dielectric Test potential for manufacturing and production testing; and

(16) Locked rotor protection - Single speed motor with external speed control, including the addition of glossary terms to clarify "Adjustable Speed Motors" and "Multispeed Motors".

Single copy price: Contact comm2000 for pricing and delivery options

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Send comments (with copy to psa@ansi.org) to: Susan Malohn, (847) 664-1725, Susan.P.Malohn@ul.com

Comment Deadline: September 11, 2012

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ASME (American Society of Mechanical Engineers)

Revision

BSR/ASME HST-1M-200x, Performance Standard for Electric Chain Hoists (revision of ANSI/ASME HST-1M-1999 (R2004))

(a) This Standard establishes performance requirements for electric chain hoists for vertical lifting service involving material handling of freely suspended (unguided) loads using load chain of the roller or welded link types with one of the following types of suspension:

(1) lug;

(2) hook or clevis;

(3) trolley.

(b) This Standard is applicable to hoists manufactured after the date on which this Standard is issued. It is not applicable to:

(1) damaged or malfunctioning hoists;

(2) hoists that have been misused or abused;

(3) hoists that have been altered without authorization of the manufacturer or a qualified person;

(4) hoists used for lifting or supporting people;

(5) hoists used for the purpose of drawing both the load and the hoist up or down the hoist's own load chain(s); and

(6) hoists used for marine and other applications as required by the Department of Defense (DOD).

The requirements of this Standard shall be applied together with the requirements of ASME B30.16.

Single copy price: Free

Order from: Mayra Santiago, ASME; ANSIBOX@asme.org

Send comments (with copy to psa@ansi.org) to: Matthew Gerson, (212) 591 -7179, gersonm@asme.org

ASSE (ASC A10) (American Society of Safety Engineers)

Revision

BSR/ASSE A10.3-201X, Safety Requirements for Powder-Actuated Fastening Systems (revision of ANSI/ASSE A10.3-2006)

This standard provides safety requirements for powder-actuated fastening tools that propel studs, pins, fasteners, or other objects for the purpose of affixing it, by penetration, to hard structural material (such as concrete, masonry, or steel). This standard does not apply to devices designed for attaching object to soft construction materials (such as wood, plaster, tar, and dry wallboard) or very hard or brittle construction materials (such as cast iron, glazed tile, hardened steel, glass block, natural rock, hollow tile, and most brick).

Single copy price: $50.00

Obtain an electronic copy from: TFisher@ASSE.org

Order from: Timothy Fisher, (847) 768-3411, TFisher@ASSE.org

Send comments (with copy to psa@ansi.org) to: Same

ASSE (ASC A10) (American Society of Safety Engineers)

Revision

BSR/ASSE A10.44-201X, Control of Energy Sources (Lockout/Tagout) for Construction and Demolitions Operations (revision and redesignation of ANSI A10.44-2006)

This standard establishes the requirements for the control to prevent release of energy sources that could cause injury or illness to personnel performing construction and demolition work and protection of property.

Single copy price: $50.00

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Order from: Timothy Fisher, (847) 768-3411, TFisher@ASSE.org

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ASSE (ASC A1264) (American Society of Safety Engineers)

Revision

BSR/ASSE A1264.2-201X, Standard for the Provision of Slip Resistance on Walking/Working Surfaces (revision of ANSI/ASSE A1264.2-2006)

This standard sets forth provisions for protecting persons where there is potential for slips and falls as a result of surface characteristics or conditions.

Single copy price: $50.00

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IEEE (Institute of Electrical and Electronics Engineers)

Addenda

BSR/IEEE 802.11aa-201x, Standard for 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 - Amendment 2: MAC Enhancements for Robust Audio Video Streaming (addenda to ANSI/IEEE 802.11-2007)

This amendment specifies enhancements to the 802.11 MAC (Medium Access Control) for robust audio video streaming, while maintaining co-existence with other types of traffic.

Single copy price: $5.00 (pdf); $99.00 (printed)

Order from: IEEE, +1-800-678-4333; fax:+1-732-981-9667; online: http: //standards.ieee.org/store

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IEEE (Institute of Electrical and Electronics Engineers)

Addenda

BSR/IEEE 802.11ae-201x, Standard for 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 - Amendment 1: Prioritization of Management Frames (addenda to ANSI/IEEE 802.11-2007)

This amendment provides a mechanism for prioritization of management frames and specifies a protocol to communicate management frame prioritization policy.

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IEEE (Institute of Electrical and Electronics Engineers)

New Standard

BSR/IEEE 45.7-201x, Recommended Practice for Electrical Installations on Shipboard - AC Switchboards (new standard)

Design, installation, and testing recommendations for AC generator control panels and switchboards on ship are established by this document. These recommendations reflect the present-day technologies, engineering methods, and engineering practices.

Single copy price: $65.00 (pdf); $80.00 (printed)

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IEEE (Institute of Electrical and Electronics Engineers)

New Standard

BSR/IEEE 802.15.4g-201x, Standard for Local and Metropolitan Area Networks - Part 15.4: Low-Rate Wireless Personal Area Networks (LR-WPANs) - Amendment 3: Physical Layer (PHY) Specifications for Low-Data-Rate, Wireless, Smart Metering Utility Networks (new standard)

This amendment to IEEE Std 802.15.4-2011 addresses principally outdoor, low-data-rate, wireless, smart metering utility network requirements. It defines alternate PHYs and only those MAC modifications needed to support their implementation.

Single copy price: $5.00 (pdf); $99.00 (printed)

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New Standard

BSR/IEEE 802.21a-201x, Standard for Local and Metropolitan Area Networks: Media Independent Handover Services - Amendment for Security Extensions to Media Independent Handover Services and Protocol (new standard)

This amendment specifies the extensions to IEEE Std 802.21-2008 for security mechanisms to protect media independent handover services and mechanisms to use MIH to assist proactive authentications to reduce the latency due to media access authentication and key establishment with the target network.

Single copy price: $5.00 (pdf); $99.00 (printed)

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New Standard

BSR/IEEE 802.21b-201x, Standard for Local and Metropolitan Area Networks - Part 21: Media Independent Handover Services - Amendment 2: Extension for Supporting Handovers with Downlink Only Technologies (new standard)

This amendment specifies the extensions to IEEE Std 802.21-2008 for supporting handovers with downlink only technologies.

Single copy price: $5.00 (pdf); $99.00 (printed)

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IEEE (Institute of Electrical and Electronics Engineers)

New Standard

BSR/IEEE 1409-201x, Guide for Application of Power Electronics for Power Quality Improvement on Distribution Systems Rated 1 kV Through 38 kV (new standard)

This guide introduces and defines the emerging technology of custom power. This technology involves devices and circuit configurations of power electronic equipment used in utility power distribution systems rated 1 kV through 38 kV for the purposes of mitigating problems associated with power quality. This guide also includes:

- definitions;
- general need guidelines;
- performance objectives;
- electrical environments;
- input/output criteria;
- performance measurements;
- case studies;
- bibliography; and
- engineering trade-offs.

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IEEE (Institute of Electrical and Electronics Engineers)

New Standard

BSR/IEEE 1703-201x, Standard for Local Area Network/Wide Area Network (LAN/WAN) Node Communication Protocol to Complement the Utility Industry End Device Data Tables (new standard)

This standard provides a set of application-layer messaging services that are applicable for the enterprise and End Device ends of an Advanced Metering Infrastructure (AMI). The application services include those useful for managing the AMI network assets defined by this standard. These messages may be transported over a wide range of underlying network transports such as TCP/IP, UDP, IEEE 802.11, IEEE 802.15.4 IEEE 802.16, PLC and SMS over GSM, over a wide range of physical media.

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IEEE (Institute of Electrical and Electronics Engineers)

New Standard

BSR/IEEE 1718-201x, Guide for Temperature Monitoring of Cable Systems (new standard)

This guide presents an overview of the existing and emerging temperature monitoring systems related to power cable installations. It summarizes the features, benefits and limitations of both discrete and distributed temperature monitoring for cable ratings. This guide addresses the various aspects of user interface and data communication issues needed to make the system more effective and more user-friendly.

Single copy price: $65.00 (pdf); $80.00 (printed)

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IEEE (Institute of Electrical and Electronics Engineers)

New Standard

BSR/IEEE C57.131-201x, Standard Requirements for Tap Changers (new standard)

This standard covers electrical and mechanical performance and test requirements for load tap changers and de-energized tap changers, installed in power transformers and voltage-regulating transformers and immersed in transformer mineral oil, but may also be used for other insulating fluids insofar as conditions are applicable.

Single copy price: $115.00 (pdf); $140.00 (printed)

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IEEE (Institute of Electrical and Electronics Engineers)

Reaffirmation

BSR/IEEE 334-2006 (R201x), Standard for Qualifying Continuous Duty Class 1E Motors for Nuclear Power Generating Stations (reaffirmation of ANSI/IEEE 334-2006)

This standard establishes criteria for qualification of continuous-duty Class 1E motors, located in mild and harsh environments in nuclear power generating stations in order to demonstrate their ability to perform their intended safety functions under all required conditions. This standard does not apply to motors used in valve actuators (see IEEE Std 382-1996).

Single copy price: $108.00 (pdf); $127.00 (printed)

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IEEE (Institute of Electrical and Electronics Engineers)

Reaffirmation

BSR/IEEE 762-2006 (R201x), Standard Definitions for Use in Reporting Electric Generating Unit Reliability, Availability, and Productivity (reaffirmation of ANSI/IEEE 762-2006)

This document standardizes terminology and indexes for reporting electric generating unit reliability, availability, and productivity performance measures while recognizing the power industry's needs, including marketplace competition. This standard also includes equations for equivalent demand forced outage rate (EFORd), newly identified outage states, discussion of commercial availability, energy weighted equations for group performance indexes, definitions of outside management control (OMC), pooling methodologies, and time-based calculations for group performance indexes.

Single copy price: $83.00 (pdf); $108.00 (printed)

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IEEE (Institute of Electrical and Electronics Engineers)

Reaffirmation

BSR/IEEE 1070-2006 (R201x), Guide for the Design and Testing of Transmission Modular Restoration Structure Components (reaffirmation of ANSI/IEEE 1070-2006)

This guide will provide the industry with a generic specification, including design and testing, for transmission modular restoration structure components.

Single copy price: $83.00 (pdf); $108.00 (printed)

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IEEE (Institute of Electrical and Electronics Engineers)

Reaffirmation

BSR/IEEE 1147-2005 (R201x), Guide for the Rehabilitation of Hydroelectric Power Plants (reaffirmation of ANSI/IEEE 1147-2005)

This guide describes alternatives that hydroelectric power plant owners should consider when undertaking a rehabilitation of the facilities. It is useful in ensuring that potential improvements are not overlooked in the owner's process.

Single copy price: $83.00 (pdf); $103.00 (printed)

Order from: IEEE, +1-800-678-4333; fax:+1-732-981-9667; online: http: //standards.ieee.org/store

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IEEE (Institute of Electrical and Electronics Engineers)

Reaffirmation

BSR/IEEE 1240-2000 (R201x), Guide for the Evaluation of the Reliability of HVDC Converter Stations (reaffirmation of ANSI/IEEE 1240-2000 (R2006))

This document promotes the concepts of reliability, availability, and maintainability (RAM) as applicable to the design, operation, and specification of high-voltage direct current (HVDC) converter stations.

Single copy price: $97.00 (pdf); $110.00 (printed)

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IEEE (Institute of Electrical and Electronics Engineers)

Reaffirmation

BSR/IEEE C37.90.3-2001 (R201x), Standard Electrostatic Discharge Tests for Protective Relays (reaffirmation of ANSI/IEEE C37.90.3-2001 (R2006))

This standard specifies design tests for electrostatic discharge (ESD) tests of protective relays and relay systems. The object of the type test described in this standard is to confirm that the equipment being tested will not misoperate or be damaged when installed, energized, and subjected to a specified electrostatic discharge. Application of the discharge to any point on the equipment that is accessible only for repair and maintenance purposes is outside the scope of this standard.

Single copy price: $67.00 (pdf); $75.00 (printed)

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IEEE (Institute of Electrical and Electronics Engineers)

Reaffirmation

BSR/IEEE C37.109-2006 (R201x), Guide for the Protection of Shunt Reactors (reaffirmation of ANSI/IEEE C37.109-2006)

This guide includes description of acceptable protective relay practices applied to power system shunt reactors. The guide covers protection for dry-type (air-core) and oil-immersed type reactors used on power system buses and lines. Also included in this guide are the protection of oil-immersed reactors equipped with auxiliary power windings, improved turn-to-turn fault protection, and use of digital (microprocessor-based) relays for shunt reactor protection.

Single copy price: $67.00 (pdf); $78.00 (printed)

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IEEE (Institute of Electrical and Electronics Engineers)

Reaffirmation

BSR/IEEE C37.231-2006 (R201x), Recommended Practice for Microprocessor-Based Protection Equipment Firmware Control (reaffirmation of ANSI/IEEE C37.231-2006)

The scope of this recommended practice is to identify the means for timely and efficient exchange of information between manufacturers and users of protection-related equipment with respect to

(1) changes in device firmware; and

(2) the impact of those changes.

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IEEE (Institute of Electrical and Electronics Engineers)

Reaffirmation

BSR/IEEE C57.13.1-2006 (R201x), Guide for Field Testing of Relaying Current Transformers (reaffirmation of ANSI/IEEE C57.13.1-2006)

The scope of this guide is to describe field test methods that assure current transformers (CTs) are connected properly, are of marked ratio and polarity, and are in a condition to perform as designed both initially and after being in service for a period of time.

Single copy price: $67.00 (pdf); $78.00 (printed)

Order from: IEEE, +1-800-678-4333; fax:+1-732-981-9667; online: http://standards.ieee.org/store

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IEEE (Institute of Electrical and Electronics Engineers)

Revision

BSR/IEEE 367-201x, Recommended Practice for Determining the Electric Power Station Ground Potential Rise and Induced Voltage from a Power Fault (revision of ANSI/IEEE 367-1996 (R2002))

This standard provides guidance for the calculation of power station ground potential rise (GPR) and longitudinal induction (LI) voltages and guidance for their appropriate reduction from worst-case values for use in metallic telecommunication protection design.

Single copy price: $195.00 (pdf); $240.00 (printed)

Order from: IEEE, +1-800-678-4333; fax:+1-732-981-9667; online: http://standards.ieee.org/store

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IEEE (Institute of Electrical and Electronics Engineers)

Revision

BSR/IEEE 400-201x, Guide for Field Testing and Evaluation of the Insulation of Shielded Power Cable Systems Rated 5 kV and Above (revision of ANSI/IEEE 400-2002)

This guide lists the various field test methods that are currently available or under development. The guide covers shielded, insulated power cable systems rated 5 kV and above. The guide describes the tests and gives advantages and disadvantages, suggested applications, and typical results. Complete guides covering some of the test methods listed are available in the form of IEEE 400 'point' documents.

Single copy price: $80.00 (pdf); $95.00 (printed)

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IEEE (Institute of Electrical and Electronics Engineers)

Revision

BSR/IEEE 404-201x, Standard for Extruded and Laminated Dielectric Shielded Cable Joints Rated 2.5 kV to 500 kV (revision of ANSI/IEEE 404 -2007)

This standard establishes electrical ratings and test requirements of cable joints used with extruded and laminated dielectric shielded cables rated in preferred voltage steps from 2.5 kV to 500 kV. In addition, it defines test requirements for joint jacket seal devices and joint metallic shield devices. This standard also defines a variety of common joint constructions.

Single copy price: $105.00 (pdf); $84.00 (printed)

Order from: IEEE, +1-800-678-4333; fax:+1-732-981-9667; online: http://standards.ieee.org/store

Send comments (with copy to psa@ansi.org) to: Karen Evangelista, (732) 562-3854, k.evangelista@ieee.org

IEEE (Institute of Electrical and Electronics Engineers)

Revision

BSR/IEEE 1012-201x, Standard for System and Software Verification and Validation (revision of ANSI/IEEE 1012-2004)

This verification and validation (V&V) standard is a process standard that addresses all system and software life cycle processes including the Agreement, Organizational Project-Enabling, Project, Technical, Software Implementation, Software Support, and Software Reuse process groups. This standard is compatible with all life cycle models (e.g., system, software and hardware); however, not all life cycle models use all of the processes listed in this standard.

Single copy price: $195.00 (pdf); $240.00 (printed)

Order from: IEEE, +1-800-678-4333; fax:+1-732-981-9667; online: http://standards.ieee.org/store

Send comments (with copy to psa@ansi.org) to: Karen Evangelista, (732) 562-3854, k.evangelista@ieee.org

IEEE (Institute of Electrical and Electronics Engineers)

Revision

BSR/IEEE 1310-201x, Recommended Practice for Thermal Cycle Testing of Form-Wound Stator Bars and Coils for Large Rotating Machines (revision of ANSI/IEEE 1310-2004)

This procedure is intended for form-wound bars/coils for rotating machines rated 10 kV or more at 50 Hz or 60 Hz that are subjected to many transitions from no-load to full-load current during normal operations, and where rapid load variations are typical. Only the thermal cyclic degradation within the groundwall insulation and/or the conductor package and delamination of the groundwall insulation from the conductor are addressed by this test.

Single copy price: $65.00 (pdf); $80.00 (printed)

Order from: IEEE, +1-800-678-4333; fax:+1-732-981-9667; online: http://standards.ieee.org/store

Send comments (with copy to psa@ansi.org) to: Karen Evangelista, (732) 562-3854, k.evangelista@ieee.org

IEEE (Institute of Electrical and Electronics Engineers)

Supplement

BSR/IEEE 269a-201x, Standard Methods for Measuring Transmission Performance of Analog and Digital Telephone Sets, Handsets, and Headsets - Amendment 1 (supplement to ANSI/IEEE 269-2010)

Practical methods for making laboratory measurements of electroacoustic characteristics of analog and digital telephones, handsets and headsets. The methods may also be applicable to a wide variety of other communications equipment, including cordless, wireless and mobile communications devices. Measurement results may be used to evaluate these devices on a standardized basis. Application is in the frequency range from 100 to 8,500 Hz.

Single copy price: $65.00 (pdf); $80.00 (printed)

Order from: IEEE, +1-800-678-4333; fax:+1-732-981-9667; online: http://standards.ieee.org/store

Send comments (with copy to psa@ansi.org) to: Karen Evangelista, (732) 562-3854, k.evangelista@ieee.org

IEEE (Institute of Electrical and Electronics Engineers)

Supplement

BSR/IEEE 802.1aq-201x, Standard for Local and Metropolitan Area Networks: Bridges and Virtual Bridged Local Area Networks - Amendment 9: Shortest Path Bridging (supplement to ANSI/IEEE 802.1Q-1998)

This amendment specifies shortest path bridging of unicast and multicast frames, including protocols to calculate multiple active topologies that can share learnt station information, and support of a VLAN by multiple, per topology VLAN identifiers (VIDs).

Single copy price: $5.00 (pdf)

Order from: IEEE, +1-800-678-4333; fax:+1-732-981-9667; online: http://standards.ieee.org/store

Send comments (with copy to psa@ansi.org) to: Karen Evangelista, (732) 562-3854, k.evangelista@ieee.org

IEEE (Institute of Electrical and Electronics Engineers)

Supplement

BSR/IEEE 802.1AXbk-201x, Standard for Local and Metropolitan Area Networks - Link Aggregation - Amendment 1: Protocol Addressing (supplement to ANSI/IEEE 802.1AX-2009)

Link Aggregation allows one or more links to be aggregated together to form a Link Aggregation Group, such that a Media Access Control (MAC) Client can treat the Link Aggregation Group as if it were a single link. To this end, it specifies the establishment of data terminal equipment (DTE) to DTE logical links, consisting of N parallel instances of full duplex point-to-point links operating at the same data rate. This standard defines the MAC independent Link Aggregation capability, and general information relevant to specific MAC types that support Link Aggregation.

Single copy price: $5.00 (pdf); $99.00 (printed)

Order from: IEEE, +1-800-678-4333; fax:+1-732-981-9667; online: http://standards.ieee.org/store

Send comments (with copy to psa@ansi.org) to: Karen Evangelista, (732) 562-3854, k.evangelista@ieee.org

Notice of Withdrawn ANS by an ANSI-Accredited Standards Developer

In accordance with clause 4.2.1.3.2 Withdrawal by ANSI-Accredited Standards Developer of the ANSI Essential Requirements, the following American National Standards have been withdrawn as an ANS.

ANSI/ASTM D669-2003, Test Method for Dissipation Factor and Permittivity Parallel with Laminations of Laminated Sheet and Plate Materials

ANSI/ASTM D1825-2003, Practice for Etching and Cleaning Copper-Clad Electrical Insulating Materials and Thermosetting Laminates for Electrical Testing

ANSI/ASTM F690-1996 (R2003), Practice for Underground Installation of Thermoplastic Pressure Piping Irrigation Systems

Call for Members (ANS Consensus Bodies)

Directly and materially affected parties who are interested in participating as a member of an ANS consensus body for the standards listed below are requested to contact the sponsoring standards developer directly and in a timely manner.

AAMI (Association for the Advancement of Medical Instrumentation)

Office: 4301 N. Fairfax Dr., Ste. 301
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Arlington, VA 22203-1633

Contact: *Susan Gillespie*

Phone: (703) 253-8284

Fax: (703) 276-0793

E-mail: sgillespie@aami.org

BSR/AAMI ST77-201x, Containment devices for reusable medical device sterilization (revision of ANSI/AAMI ST77-2006 (R2010))

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

Office: 1791 Tullie Circle NE
Atlanta, GA 30329

Contact: *Susan LeBlanc*

Phone: (678) 539-1175

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E-mail: sleblanc@ashrae.org

BSR/ASHRAE Standard 90.4P-201x, Energy Standard for Data Centers and Telecommunications Buildings (new standard)

BSR/ASHRAE Standard 211P-201x, Standard for Commercial Building Energy Audits (new standard)

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

Office: 1101 K Street NW, Suite 610
Washington, DC 20005

Contact: *Barbara Bennett*

Phone: (202) 626-5743

Fax: (202) 638-4922

E-mail: bbennett@itic.org

BSR INCITS 358-2002 (R201x), Information technology - BioAPI Specification (reaffirmation of ANSI INCITS 358-2002 (R2007))

BSR INCITS 358-2002/AM 1-2007 (R201x), Information technology - BioAPI Specification (version 1.1) - Amendment 1: Support for Biometric Fusion (reaffirmation of ANSI INCITS 358-2002/AM 1-2007)

BSR INCITS 434-2007 (R201x), Information technology - Tenprint capture using BioAPI (reaffirmation of ANSI INCITS 434-2007)

BSR/INCITS/ISO/IEC 10746-4-1998 (R201x), Information Technology - Open Distributed Processing - Reference Model - Open Distributed Processing - Part 4: Architectural Semantics (reaffirmation of INCITS/ISO/IEC 10746-4-1998 (R2007))

BSR/INCITS/ISO/IEC 13235-1-1998 (R201x), Information Technology - Open Distributed Processing - Trading Function - Part 1: Specification (reaffirmation of INCITS/ISO/IEC 13235-1-1998 (R2007))

INCITS 145-1986 (R200x), Codes for Identification of Hydrologic Units in the United States and the Caribbean Outlying Areas (reaffirmation of ANSI INCITS 145-1986 (R2002))

INCITS 422-201x, Information technology - Application Profile for Commercial Biometric Physical Access Control (new standard)

INCITS 448-201x, Information Technology - SCSI Enclosure Services - 2 (SES-2) (new standard)

INCITS/ISO 19134-2007 (R201x), Geographic information - Location Based Services - Multimodal routing and navigation (reaffirmation of INCITS/ISO 19134-2007)

INCITS/ISO 19111:2007 (R201x), Geographic information - Spatial referencing by coordinates (reaffirmation of INCITS/ISO 19111:2007)

INCITS/ISO/IEC 9542-2002 (R201x), Information Processing Systems - Telecommunications and Information Exchange between Systems - End System to Intermediate System Routeing Exchange Protocol for Use in Conjunction with the Protocol for Providing the Connectionless-Mode Network Service (ISO 8473) (reaffirmation of INCITS/ISO/IEC 9542-2002 (R2007))

INCITS/ISO/IEC 10030-2002 (R201x), Information technology - Telecommunications and information exchange between systems - End System Routeing Information Exchange Protocol for use in conjunction with ISO/IEC 8878 (reaffirmation of INCITS/ISO/IEC 10030-2002 (R2007))

INCITS/ISO/IEC 10589-2002 (R201x), Information technology - Telecommunications and information exchange between systems - Intermediate System to Intermediate System intra-domain routeing information exchange protocol for use in conjunction with the protocol for providing the connectionless-mode network service (ISO 8473) (reaffirmation of INCITS/ISO/IEC 10589-2002)

INCITS/ISO/IEC 10746-1-1998 (R201x), Information Technology - Open Distributed Processing - Reference Model - Open Distributed Processing - Part 1: Overview (reaffirmation of INCITS/ISO/IEC 10746 -1-1998 (R2007))

INCITS/ISO/IEC 10746-4-1998/AM1-2001 (R201x), Information Technology - Open Distributed Processing - Reference Model: Architectural Semantics - Part 4 - Amendment 1: Computational Formalization (reaffirmation of INCITS/ISO/IEC 10746-4-1998/AM1 -2001 (R2007))

INCITS/ISO/IEC 11770-1-201x, Information technology - Security techniques - Key management - Part 1:Framework (identical national adoption of ISO/IEC 11770-1:2010 and revision of INCITS/ISO/IEC 11770-1:2010)

INCITS/ISO/IEC 13235-3-1998 (R201x), Information technology - Open Distributed Processing - Trading Function - Part 3: Provision of Trading Function using OSI Directory service (reaffirmation of INCITS/ISO/IEC 13235-3-1998 (R2007))

INCITS/ISO/IEC 14776-372:2011, Information technology - Small Computer System Interface (SCSI) - Part 372: SCSI Enclosure Services - 2 (SES-2) (identical national adoption of ISO/IEC 14776 -372:2011)

INCITS/ISO/IEC 15408-2-201x, Information technology - Security techniques - Evaluation criteria for IT security - Part 2: Security functional components (identical national adoption of ISO/IEC 15408 -2:2008 and revision of INCITS/ISO/IEC 15408-2:2008)

INCITS/ISO/IEC 15408-3-201x, Information technology - Security techniques - Evaluation criteria for IT security - Part 3: Security assurance components (identical national adoption of ISO/IEC 15408 -3:2008 and revision of INCITS/ISO/IEC 15408-3-2008)

INCITS/ISO/IEC 19101-2002 (R201x), Geographic information - Reference Model (reaffirmation of INCITS/ISO/IEC 19101-2002 (R2007))

INCITS/ISO/IEC 19137-2007 (R201x), Geographic information - Core profile of the spatial schema (reaffirmation of INCITS/ISO/IEC 19137 -2007)

INCITS/ISO/IEC 19784-1-2006 (R201x), Information technology - BioAPI - Biometric Application Programming Interface - Part 1: BioAPI Specification (reaffirmation of INCITS/ISO/IEC 19784-1-2006)

INCITS/ISO/IEC 19794-1-2007 (R201x), Information technology - Biometric Data Interchange Formats - Part 1: Framework (reaffirmation of INCITS/ISO/IEC 19794-1-2007)

INCITS/ISO/IEC 19794-2-2007 (R201x), Information technology - Biometric Data Interchange Formats - Part 2: Finger Minutiae Data (reaffirmation of INCITS/ISO/IEC 19794-2-2007)

INCITS/ISO/IEC 19794-3-2007 (R201x), Information technology - Biometric Data Interchange Formats - Part 3: Finger Pattern Spectral Data (reaffirmation of INCITS/ISO/IEC 19794-3-2007)

INCITS/ISO/IEC 19794-4-2007 (R201x), Information technology - Biometric Data Interchange Formats - Part 4: Finger Image Data (reaffirmation of INCITS/ISO/IEC 19794-4-2007)

INCITS/ISO/IEC 19794-5-2007 (R201x), Information technology - Biometric Data Interchange Formats - Part 5: Face Image Data (reaffirmation of INCITS/ISO/IEC 19794-5-2007)

INCITS/ISO/IEC 19794-6-2007 (R201x), Information technology - Biometric Data Interchange Formats - Part 6: Iris Image Data (reaffirmation of INCITS/ISO/IEC 19794-6-2007)

INCITS/ISO/IEC 19794-7-2007 (R201x), Information technology - Biometric Data Interchange Formats - Part 7: Sign/Signature Series Data (reaffirmation of INCITS/ISO/IEC 19794-7-2007)

INCITS/ISO/IEC 19794-9-2007 (R201x), Information technology - Biometric Data Interchange Formats - Part 9: Vascular Biometric Image Data (reaffirmation of INCITS/ISO/IEC 19794-9-2007)

INCITS/ISO/IEC 19794-10-2007 (R201x), Information technology - Biometric Data Interchange Formats - Part 10: Hand Geometry Silhouette Data (reaffirmation of INCITS/ISO/IEC 19794-10-2007)

INCITS/ISO/IEC 19795-1-2007 (R201x), Information technology - Biometric Performance Testing and Reporting - Part 1: Principles and Framework (reaffirmation of INCITS/ISO/IEC 19795-1-2007)

INCITS/ISO/IEC 14651:201x, Information technology - International string ordering and comparison - Method for comparing character strings and description of the common template tailorable ordering (identical national adoption of ISO/IEC 14651:2011 and revision of INCITS/ISO/IEC 14651-2008)

NEMA (ASC C29) (National Electrical Manufacturers Association)

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BSR C29.1-1988 (R201x), Electrical Power Insulators - Test Methods (reaffirmation of ANSI C29.1-1988 (R2002))

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BSR/NEMA PB 1.1-201x, General Instructions for Proper Handling, Installation, Operation, and Maintenance of Panelboards Rated 600 Volts or less (revision of ANSI/NEMA PB 1.1-2007)

BSR/NEMA PB 2.1-201x, General Instructions for Proper Handling, Installation, Operation, and Maintenance of Deadfront Distribution Switchboards Rated 600 Volts or less (revision of ANSI/NEMA PB 2.1 -2007)

TAPPI (Technical Association of the Pulp and Paper Industry)

Office: 15 Technology Parkway South
Norcross, GA 30092

Contact: *Charles Bohanan*

Phone: (770) 209-7276

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E-mail: standards@tappi.org

BSR/TAPPI T 839 om-201x, Edgewise compressive strength of corrugated fiberboard using the clamp method (short column test) (new standard)

TIA (Telecommunications Industry Association)

Office: 2500 Wilson Blvd., Suite 300
Arlington, VA 22201

Contact: *Stephanie Montgomery*

Phone: (703) 907-7700

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E-mail: smontgomery@tiaonline.org

BSR/TIA 41.200-E-2007 (R201x), Mobile Application Part (MAP) - Intersystem Handoff (reaffirmation of ANSI/TIA 41.200-E-2007)

BSR/TIA 41.290-E-2007 (R201x), Mobile Application Part (MAP) - Intersystem Handoff - Annex A (reaffirmation of ANSI/TIA 41.290-E -2007)

BSR/TIA 41.321-E-2007 (R201x), Mobile Application Part (MAP): Voice Feature Scenarios: Call Delivery (reaffirmation of ANSI/TIA 41.321-E -2007)

BSR/TIA 41.322-E-2007 (R201x), Mobile Application Part (MAP) - Voice Feature Scenarios: Call Forwarding (reaffirmation of ANSI/TIA 41.322-E-2007)

BSR/TIA 41.323-E-2007 (R201x), Mobile Application Part (MAP) - Voice Feature Scenarios: Call Waiting (reaffirmation of ANSI/TIA 41.323-E -2007)

BSR/TIA 41.324-E-2007 (R201x), MOBILE APPLICATION PART (MAP)-VOICE FEATURE SCENARIOS: Calling Number Identification Presentation, Calling Number Identification Restriction (reaffirmation of ANSI/TIA 41.324-E-2007)

BSR/TIA 93-B-1-2006 (R201x), Wireless Telecommunications Ai - Di Interfaces Standard - Addendum 1 (reaffirmation of ANSI/TIA 93-B-1 -2006)

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.

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

Addenda

ANSI/ASHRAE 34z-2012, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2010): 6/28/2012

ANSI/ASHRAE 34ab-2012, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2010): 6/28/2012

ANSI/ASHRAE 34aa-2012, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2010): 6/28/2012

ANSI/ASHRAE 55e-2012, Thermal Environmental Conditions for Human Occupancy (addenda to ANSI/ASHRAE Standard 55-2010): 6/28/0112

ANSI/ASHRAE 62.1l-2012, Ventilation for Acceptable Indoor Air Quality (addenda to ANSI/ASHRAE Standard 62.1-2010): 6/28/2002

ANSI/ASHRAE 135.1j-2012, Method of Test for Conformance to BACnet (addenda to ANSI/ASHRAE Standard 135.1-2009): 6/28/2012

ANSI/ASHRAE 135ak-2012, BACnet - A Data Communication Protocol for Building Automation and Control Networks (addenda to ANSI/ASHRAE Standard 135-2010): 6/28/2012

ANSI/ASHRAE 160c-2012, Criteria for Moisture-Control Design Analysis in Buildings (addenda to ANSI/ASHRAE Standard 160 -2009): 6/28/2002

ANSI/ASHRAE Addendum 62.1h-2012, Ventilation for Acceptable Indoor Air Quality (addenda to ANSI/ASHRAE Standard 62.1-2010): 6/28/2002

ANSI/ASHRAE Addendum 62.2q-2012, Ventilation and Acceptable Indoor Air Quality in Low-Rise Residential Buildings (addenda to ANSI/ASHRAE Standard 62.2-2010): 6/28/2012

ANSI/ASHRAE Addendum 170s-2012, Ventilation of Health Care Facilities (addenda to ANSI/ASHRAE Standard 170-2008): 6/28/2002

ANSI/ASHRAE/ASHE 170r-2012, Ventilation of Health Care Facilities (addenda to ANSI/ASHRAE Standard 170-2008): 6/28/2012

ANSI/ASHRAE/IES 90.1ad-2012, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IESNA Standard 90.1-2007): 6/28/2012

ANSI/ASHRAE/IES 90.1ah-2012, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IESNA Standard 90.1-2007): 6/28/2012

ANSI/ASHRAE/IES 90.1as-2012, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IESNA Standard 90.1-2007): 6/28/2012

ANSI/ASHRAE/IES 90.ai1-2012, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IESNA Standard 90.1-2007): 6/28/2012

ANSI/ASHRAE/IES 90.1at-2012, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IESNA Standard 90.1-2007): 6/28/2012

ANSI/ASHRAE/IES Addendum l to Standard 90.1-2012, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IESNA Standard 90.1-2010): 6/28/2012

ANSI/ASHRAE/IES Addendum m to Standard 90.1-2012, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IESNA Standard 90.1-2010): 6/28/2012

ANSI/ASHRAE/IES Addendum n to Standard 90.1-2012, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IESNA Standard 90.1-2010): 6/28/2012

ANSI/ASHRAE/IES Addendum q to Standard 90.1-2012, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IESNA Standard 90.1-2010): 6/28/2012

ANSI/ASHRAE/USGBC/IES 189.1n-2012, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/USGBC/IES 189.1-2009): 6/28/2012

ANSI/ASHRAE/USGBC/IES 189.1a-2012, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/USGBC/IES Standard 189.1 -2009): 6/28/2012

ANSI/ASHRAE/USGBC/IES 189.1t-2012, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/USGBC/IES Standard 189.1 -2009): 6/28/2012

ANSI/ASHRAE/USGBC/IES 189.1aa-2012, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/USGBC/IES Standard 189.1 -2011): 6/28/2012

ANSI/ASHRAE/USGBC/IES 189.1x-2012, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/USGBC/IES Standard 189.1 -2011): 6/28/2012

ANSI/ASHRAE/USGBC/IES 189.1d-2012, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/USGBC/IES Standard 189.1 -2011): 6/28/2002

ANSI/ASHRAE/USGBC/IES 189.1e-2012, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/USGBC/IES Standard 189.1 -2011): 6/28/2012

ANSI/ASHRAE/USGBC/IES Addendum 189.1c-2012, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/USGBC/IES Standard 189.1-2011): 6/28/2002

CSA (CSA Group)

Reaffirmation

* ANSI Z21.94-2005 (R2012); ANSI Z21.94a-2007 (R2012), Standard for Automatic Flammable Vapor Sensor Systems and Components (same as CSA 6.31-2006) (reaffirmation of ANSI Z21.94-2005 and ANSI Z21.94a-2007): 7/9/2012

HL7 (Health Level Seven)

Revision

ANSI/HL7 V2.7.1-2012, Health Level Seven Standard Version 2.7.1 - An Application Protocol for Electronic Data Exchange in Healthcare Environments (revision of ANSI/HL7 V2.7-2011): 7/9/2012

ISA (ISA)

Revision

ANSI/ISA 12.12.01-2012, Nonincendive Electrical Equipment for Use in Class I and II, Division 2 and Class III, Divisions 1 and 2 Hazardous (Classified) Locations (revision of ANSI/ISA 12.12.01 -2011): 7/9/2012

NISO (National Information Standards Organization)

New Standard

ANSI/NISO Z39.98-2012, Authoring and Interchange Framework for Adaptive XML Publishing Specification (new standard): 7/9/2012

NSF (NSF International)

Revision

ANSI/NSF 50-2012 (i84), Equipment for swimming pools, spas, hot tubs, and other recreational water facilities (revision of ANSI/NSF 50 -2012): 5/31/2012

* ANSI/NSF 61-2012 (i103), Drinking water system components - Health effects (revision of ANSI/NSF 61-2011): 7/8/2012

SPRI (Single Ply Roofing Institute)

Revision

* ANSI/SPRI WD-1-2012, Wind Design Standard Practice for Roofing Assemblies (revision of ANSI/SPRI WD-1-2008): 7/10/2012

UL (Underwriters Laboratories, Inc.)

Reaffirmation

ANSI/UL 1-2007 (R2012), Standard for Safety for Flexible Metal Conduit (reaffirmation of ANSI/UL 1-2007): 7/3/2012

ANSI/UL 1242-2007 (R2012), Standard for Safety for Intermediate Metal Conduit - Steel (reaffirmation of ANSI/UL 1242-2007): 7/3/2012

Revision

* ANSI/UL 921-2012, Standard for Safety for Commercial Dishwashers (revision of ANSI/UL 921-2010): 7/6/2012

ANSI/UL 1004-7-2012, Standard for Safety for Electronically Protected Motors (revision of ANSI/UL 1004-7-2010a): 7/11/2012

ANSI/UL 1008-2012b, Standard for Safety for Transfer Switch Equipment (Proposal dated 9/23/11) (revision of ANSI/UL 1008 -2011): 7/6/2012

ANSI/UL 1063-2012b, Standard for Safety for Machine-Tool Wires and Cables (revision of ANSI/UL 1063-2012a): 7/11/2012

ANSI/UL 1449-2012, Standard for Safety for Surge Protective Devices (revision of ANSI/UL 1449-2010): 7/11/2012

ANSI/UL 1449-2012a, Standard for Safety for Surge Protective Devices (revision of ANSI/UL 1449-2010): 7/11/2012

* ANSI/UL 2442-2012, Standard for Safety for Wall- and Ceiling-Mounts and Accessories (revision of ANSI/UL 2442-2011): 7/10/2012

* ANSI/UL 2442-2012a, Standard for Safety for Wall- and Ceiling-Mounts and Accessories (revision of ANSI/UL 2442-2011): 7/10/2012

Project Initiation Notification System (PINS)

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

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

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

AAMI (Association for the Advancement of Medical Instrumentation)

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BSR/AAMI ST90-201x, Reprocessing of health care products - Quality management systems for reprocessing (new standard)

Stakeholders: Healthcare delivery organizations; medical device manufacturers; sterile processing professionals; educators.

Project Need: Formal quality management systems are used by organizations and industries to help manage distributed and complex systems and can be a strong tool for healthcare delivery organizations to use to manage their reprocessing operations.

This document will specify minimum requirements for quality management systems where an organization needs to demonstrate its ability to reprocessing reusable medical devices in order to prevent infections, pyrogenic reactions, or other adverse patient events. The document will describe practices that organizations can employ to manage, coordinate, control, monitor, and document all elements of their reprocessing system. Items to be address may include purchasing controls, staff training and education, operational challenges and standard protocols, as well as corrective and preventive actions.

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

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Fax: (678) 539-2175

E-mail: sleblanc@ashrae.org

BSR/ASHRAE Standard 90.4P-201x, Energy Standard for Data Centers and Telecommunications Buildings (new standard)

Stakeholders: Code developers, consumers, government, design engineers, facility owners/operators, producers, regulatory agencies, utilities.

Project Need: The purpose is to develop an application-specific standard for energy efficiency. This is needed because data centers have a completely different load profile than comfort cooling - it's a majority plug load. In addition, many of the types of HVAC systems applied are very different than comfort cooling application; data centers are a process cooling application.

To establish the minimum energy efficiency requirements of Data Centers and Telecommunications Buildings, for:
(1) Design, construction, and a plan for operation and maintenance, and
(2) Utilization of on-site, renewable energy resources.

BSR/ASHRAE Standard 211P-201x, Standard for Commercial Building Energy Audits (new standard)

Stakeholders: Owners of commercial, institutional, or government buildings, engineering firms, financial institutions, government regulators, building equipment vendors, contractors, ESCOs.

Project Need: The purpose of this standard is to establish consistent practices for conducting and reporting energy audits for commercial buildings.

This standard:
(a) defines the procedures required to perform Energy Audits Levels 1, 2, and 3;
(b) provides a common scope of work for these audit levels for use by building owners and others;
(c) establishes standardized industry practices for conducting energy audits; and
(d) establishes minimum reporting requirements for the results from energy audits.

ASTM (ASTM International)

Office: 100 Barr Harbor Drive
West Conshohocken, PA 19428-2959

Contact: *Jeff Richardson*

Fax: (610) 834-7067

E-mail: jrichard@astm.org

BSR/ASTM WK38063-201x, New Practice for Reporting Uniaxial Strength Data and Estimating Weibull Distribution Parameters for Graphite (new standard)

Stakeholders: Manufactured Carbon and Graphite Products Industry.

Project Need: This standard covers the reporting of uniaxial strength data for graphite and the estimation of probability distribution parameters for both censored and uncensored data.

http://www.astm.org/DATABASE.CART/WORKITEMS/WK38063.htm

AWS (American Welding Society)

Office: 550 N.W. LeJeune Road
Miami, FL 33126

Contact: *Rosalinda O'Neill*

Fax: (305) 443-5951

E-mail: roneill@aws.org

BSR/AWS D8.1M-201x, Specification for Automotive Weld Quality - Resistance Spot Welding of Steel (revision of ANSI/AWS D8.1M -2007)

Stakeholders: Resistance Welding and Automotive community.

Project Need: Currently, the document exists in the first edition, and given the substantive comments received from the recent TAC ballot, a revision will have to be made.

This document contains both visual and measurable acceptance criteria for resistance spot welds in steels. The information contained in this standard may be used as an aid by designers, resistance welding equipment manufacturers, welded product producers, and others involved in the automotive industry and resistance spot welding of steels.

ECA (Electronic Components Association)

Office: 2214 Rock Hill Rd, Suite 170
Herndon, VA 20170

Contact: *Edward Mikoski*

Fax: (571) 323-0245

E-mail: emikoski@eciaonline.org

BSR/EIA 198-3-9-F-201x, High Voltage Ceramic Capacitors, Conformally Coated and Multilayer Surface Mount (revision and redesignation of ANSI/EIA 198-3-9-E-201x)

Stakeholders: Electrical, electronics, and telecommunications industry.

Project Need: Revision cycle.

This standard describes fixed multiplayer ceramic capacitors with voltage ratings 500V DC and above. Only Class 1 and Class 2 dielectrics are considered appropriate for use at these voltages. The types described are conformally coated radial and multilayer surface mount capacitors.

BSR/EIA 521-A-201x, Application Guide for Multilayer Ceramic Capacitors - Electrical (new standard)

Stakeholders: Electrical, electronics, and telecommunications industry.

Project Need: Complex mixtures of compounds necessitate classification of ceramic capacitors. Revision of document is needed.

Ceramic capacitors are those wherein the dielectric material is a high-temperature, sintered, inorganic ceramic compound. As a general rule, these materials are based on mixtures of complex titanate or niobium compounds, including barium titanate, calcium titanate, strontium titanate, etc. Stannate and zirconate compounds are also used. Because of the great variety of electrical characteristics found in ceramic capacitors, the ECIA has categorized ceramic capacitors into classes.

EIA (ASC Z245) (Environmental Industry Associations)

Office: 4301 Connecticut Ave NW, ste 300
Washington, DC 20008

Contact: *Caija Owens*

Fax: (202) 966-4824

E-mail: cowens@wastec.org

BSR Z245.30-201x, Equipment Technology and Operations for Wastes and Recyclable Materials - Waste Containers - Safety Requirements (revision of ANSI Z245.30-2008)

Stakeholders: Environmental sector, safety professionals, solid-waste equipment manufacturers.

Project Need: Provides revision of requirements contained in ANSI Z245.30-2008.

Establishes safety requirements with respect to the manufacture, reconstruction, use, modification, maintenance, service, operation, and installation (where applicable) of containers, two-wheeled carts, and two-wheeled cart lifters used for the collection, transportation and recycling of solid wastes.

BSR Z245.41-201x, Equipment Technology and Operations for Wastes and Recyclable Materials - Facilities for the Processing of Commingled Recyclable Materials - Safety Requirements (revision of ANSI Z245.41-2008)

Stakeholders: Environmental sector, safety professionals, equipment manufacturers.

Project Need: Many of the accidents at materials recovery facilities are due to inadequate design criteria and operating procedures. This standard will establish basic criteria for safe, efficient operation of facilities for the processing of commingled recyclable materials.

Establishes safety requirements for the design, manufacture, construction, modification, maintenance, and operation of facilities used in the processing of commingled wastes and recyclable materials. It does not cover other types of facilities such as, waste-to-energy plants, scrap processing facilities, transfer stations, or mixed waste processing facilities, unless there is a commingled processing operation as part of these facilities.

BSR Z245.60-201x, Equipment Technology and Operations for Wastes and Recyclable Materials - Waste Containers - Compatibility Dimensions (revision of ANSI Z245.60-2008)

Stakeholders: Environmental sector, safety professionals, solid-waste equipment manufacturers.

Project Need: To revise the current American National Standard.

Establishes dimensional requirements for all waste containers commonly used in the collection, compaction, and transportation of solid waste and recyclables in residential, commercial and industrial applications. Specified labeling will assist the users of such equipment in identifying that a container so marked is compatible with a lifting device designed to accommodate containers of the same type. The revision includes dimensions for Type L (hook-lift) and Type S (front loader) containers.

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

Office: 1101 K Street NW, Suite 610
Washington, DC 20005

Contact: *Barbara Bennett*

Fax: (202) 638-4922

E-mail: bbennett@itic.org

INCITS/ISO/IEC 14651:201x, Information technology - International string ordering and comparison - Method for comparing character strings and description of the common template tailorable ordering (identical national adoption of ISO/IEC 14651:2011 and revision of INCITS/ISO/IEC 14651-2008)

Stakeholders: ICT Industry.

Project Need: Adoption of this International Standard will be beneficial to the ICT Industry.

A reference comparison method. This method is applicable to two character strings to determine their collating order in a sorted list. The method can be applied to strings containing characters from the full repertoire of ISO/IEC 10646. This method is also applicable to subsets of that repertoire, such as those of the different ISO/IEC 8-bit standard character sets, or any other character set, standardized or not, to produce ordering results valid (after tailoring) for a given set of languages for each script. This method uses collation tables derived either from the Common Template Table defined in ISO/IEC 14651:2011 or from one of its tailorings.

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

Office: 1101 K Street NW, Suite 610
Washington, DC 20005

Contact: *Rachel Porter*

Fax: 202-638-4922

E-mail: rporter@itic.org

INCITS/ISO/IEC 13187-201x, Information technology - Server management command line protocol (SM CLP) specification (identical national adoption of ISO/IEC 13187:2011)

Stakeholders: ICT Industry.

Project Need: Adoption of this International Standard will be beneficial to the ICT Industry.

This International Standard lays out the general framework for the Server Management Command Line Protocol (SM CLP). This standard is intended to guide developers of implementations of the SM CLP and may also be used as a reference by system administrators and other users of SM CLP implementations.

NEMA (National Electrical Manufacturers Association)

Office: 1300 North 17th Str., Suite 1752
Rosslyn, VA 22209

Contact: *Gary MacFadden*

Fax: 703 841 3353

E-mail: gary.macfadden@nema.org

BSR/NEMA PB 1.1-201x, General Instructions for Proper Handling, Installation, Operation, and Maintenance of Panelboards Rated 600 Volts or less (revision of ANSI/NEMA PB 1.1-2007)

Stakeholders: Manufacturers, users, contractors, builders.

Project Need: Update the existing standard for current industry practices.

This publication covers single panelboards or groups of panel units suitable for assembly in the form of single panelboards, including buses, and with or without switches or automatic overload protective devices (fuses or circuit breakers), or both. These units are used in the distribution of electricity at 600 volts and less with:
1600-ampere mains or less;
1200-ampere branch circuits or less.
Specifically excluded are live-front panelboards, panelboards employing cast enclosures for special service conditions, and panelboards designed primarily for residential and light commercial service equipment.

BSR/NEMA PB 2.1-201x, General Instructions for Proper Handling, Installation, Operation, and Maintenance of Deadfront Distribution Switchboards Rated 600 Volts or less (revision of ANSI/NEMA PB 2.1-2007)

Stakeholders: Manufacturers, users, contractors, builders.

Project Need: Update the existing standard for current industry practices.

This publication covers floor-mounted deadfront switchboards that consist of an enclosure, molded-case, and low-voltage power circuit breakers; fusible or non-fusible switches, instruments, and metering, monitoring, or control equipment; with associated interconnections and supporting structures. These units are used in the distribution of electricity at:
(a) 600 volts and less;
(b) 6000 amperes or less.

TIA (Telecommunications Industry Association)

Office: 2500 Wilson Blvd., Suite 300
Arlington, VA 22201

Contact: *Stephanie Montgomery*

Fax: (703) 907-7727

E-mail: smontgomery@tiaonline.org

ANSI/TIA 664-000-B-1-2005, Wireless Features Description - Introduction (withdrawal of ANSI/TIA 664-000-B-1-2005)

Stakeholders: Mobile phone manufacturers.

Project Need: Withdraw an existing standard.

The purpose of this document is to identify those wireless features, which need to be standardized in all wireless systems, and to specify operation of those features such that a subscriber could use the feature in any system in a consistent manner. This project is to withdraw the standard.

BSR/TIA 4981-201x, Multi-Hop Delivery Specification of a Data Link Sub-Layer (new standard)

Stakeholders: Utilities, equipment manufacturers and others involved in creating/implementing smart metering technology and networks.

Project Need: This project completes the necessary multi-hop protocol for mesh networks in Layer 2 of the TR-51 Smart Utility Network standard.

This project completes the necessary multi-hop protocol for mesh networks in Layer 2 of the TR-51 Smart Utility Network standard.

UL (Underwriters Laboratories, Inc.)

Office: 12 Laboratory Drive
Research Triangle Park, NC 27709-3995

Contact: *Patricia Sena*

Fax: (919) 549-1636

E-mail: patricia.a.sena@ul.com

BSR/UL 489C-201X, Standard for Safety for Molded-Case Circuit Breakers and Molded-Case Switches for Use with Wind Turbines (new standard)

Stakeholders: Manufacturers of molded-case circuit breakers and molded-case switches for use with wind turbines, suppliers, consumers, AHJs.

Project Need: To obtain national recognition of a standard covering molded-case circuit breakers and molded-case switches for use with wind turbines.

These requirements cover molded-case circuit breakers and molded-case switches rated up to 690 V ac intended for use in wind turbine applications in nacelle, hub, tower, and ground installations. A circuit breaker or switch intended for use in wind turbine applications shall comply with the applicable requirements of UL 489, except as modified or supplemented by these requirements. These circuit breakers and switches shall have the same construction and comply with the requirements for 600 V ac rated circuit breakers and switches.

BSR/UL 489D-201X, Standard for Safety for US Naval Commercial-Off-the-Shelf (COTS) Designated Molded-Case Circuit Breakers and Accessories for Use on Non-Nuclear Naval Combatant Ships (new standard)

Stakeholders: US Navy, manufacturers of US naval commercial-off-the-shelf (COTS) designated molded-case circuit breakers and accessories for use on non-nuclear naval combatant ships, consumers, suppliers, AHJs.

Project Need: To obtain national recognition of a standard covering US naval commercial-off-the-shelf (COTS) designated molded-case circuit breakers and accessories for use on non-nuclear naval combatant ships.

These requirements cover commercial-off-the-shelf (COTS), three-pole and four-pole molded-case circuit breakers and applicable accessories (under-voltage trip-release devices, shunt trip-release devices, electrical (motor) operators, auxiliary switches, plug-in mounting adapter blocks/bases, drawout cassette) intended for use aboard non-nuclear naval combatant ships in electrical assemblies (switchboards and load centers) installed on shock isolators (mounts).

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.

- AAMI (Association for the Advancement of Medical Instrumentation)
- AAMVA (American Association of Motor Vehicle Administrators)
- AGA (American Gas Association)
- AGRSS, Inc. (Automotive Glass Replacement Safety Standards Committee, Inc.)
- ASC X9 (Accredited Standards Committee X9, Incorporated)
- ASHRAE (American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.)
- ASME (American Society of Mechanical Engineers)
- ASTM (ASTM International)
- GEIA (Greenguard Environmental Institute)
- HL7 (Health Level Seven)
- MHI (ASC MH10) (Material Handling Industry)
- NAHBRC (NAHB Research Center, Inc.)
- NBBPVI (National Board of Boiler and Pressure Vessel Inspectors)
- NCPDP (National Council for Prescription Drug Programs)
- NISO (National Information Standards Organization)
- NSF (NSF International)
- TIA (Telecommunications Industry Association)
- UL (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 www.ansi.org/publicreview.

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.

ANSI-Accredited Standards Developers Contact Information

The addresses listed in this section are to be used in conjunction with standards listed in PINS, Call for Comment and Final Actions. This section is a list of developers who have submitted standards for this issue of *Standards Action* – it is not intended to be a list of all ANSI-Accredited Standards Developers. Please send all address corrections to Standards Action Editor at standact@ansi.org.

AAMI
Association for the Advancement of Medical Instrumentation
4301 N. Fairfax Dr., Ste. 301
Suite 301
Arlington, VA 22203-1633
Phone: (703) 253-8284
Fax: (703) 276-0793
Web: www.aami.org

APSP
Association of Pool and Spa Professionals
2111 Eisenhower Avenue
Alexandria, VA 22314
Phone: (703) 838-0083 x150
Fax: (703) 549-0493
Web: www.apsp.org

ASC X9
Accredited Standards Committee X9, Incorporated
1212 West Street, Suite 200
Annapolis, MD 21401
Phone: (410) 267-7707
Fax: (410) 267-0961
Web: www.x9.org

ASHRAE
American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.
1791 Tullie Circle NE
Atlanta, GA 30329
Phone: (404) 636-8400
Fax: (678) 539-2138
Web: www.ashrae.org

ASME
American Society of Mechanical Engineers
3 Park Avenue, 20th Floor (20N2)
New York, NY 10016
Phone: (212) 591-8521
Fax: (212) 591-8501
Web: www.asme.org

ASSE (Safety)
American Society of Safety Engineers
1800 East Oakton Street
Des Plaines, IL 60018-2187
Phone: (847) 768-3411
Fax: (847) 296-9221
Web: www.asse.org

ASTM
ASTM International
100 Barr Harbor Drive
West Conshohocken, PA 19428-2959
Phone: (610) 832-9696
Fax: (610) 834-7067
Web: www.astm.org

ATIS
Alliance for Telecommunications Industry Solutions
1200 G Street, NW
Suite 500
Washington, DC 20005
Phone: (202) 434-8841
Fax: (202) 347-7125
Web: www.atis.org

AWS
American Welding Society
550 N.W. LeJeune Road
Miami, FL 33126
Phone: (305) 443-9353
Fax: (305) 443-5951
Web: www.aws.org

AWWA
American Water Works Association
6666 W. Quincy Ave.
Denver, CO 80235
Phone: (303) 347-6178
Fax: (303) 795-6303
Web: www.awwa.org

CSA
CSA Group
8501 East Pleasant Valley Rd.
Cleveland, OH 44131
Phone: (216) 524-4990
Fax: (216) 520-8979
Web: www.csa-america.org

ECA
Electronic Components Association
2214 Rock Hill Rd, Suite 170
Herndon, VA 20170
Phone: (571) 323-0253
Fax: (571) 323-0245
Web: www.eciaonline.org

EIA (ASC Z245)
Waste Equipment Technology Association
4301 Connecticut Ave NW, ste 300
Washington, DC 20008
Phone: (202) 364-3750
Fax: (202) 966-4824
Web: www.envasns.org

EOS/ESD
ESD Association
7900 Turin Rd., Bldg. 3
Rome, NY 13440
Phone: (315) 339-6937
Fax: (315) 339-6793
Web: www.esda.org

HL7
Health Level Seven
3300 Washtenaw Avenue
Suite 227
Ann Arbor, MI 48104
Phone: (734) 677-7777 Ext 104
Fax: (734) 677-6622
Web: www.hl7.org

IEEE
Institute of Electrical and Electronics Engineers (IEEE)
445 Hoes Lane
Piscataway, NJ 08854
Phone: (732) 562-3854
Fax: (732) 796-6966
Web: www.ieee.org

ISA (Organization)
ISA-The Instrumentation, Systems, and Automation Society
67 Alexander Drive
Research Triangle Park, NC 27709
Phone: (919) 990-9228
Fax: (919) 549-8288
Web: www.isa.org

ITI (INCITS)
InterNational Committee for Information Technology Standards
1101 K Street NW, Suite 610
Washington, DC 20005
Phone: (202) 626-5743
Fax: (202) 638-4922
Web: www.incits.org

NEMA (ASC C29)
National Electrical Manufacturers Association
1300 North 17th Street, Suite 1752
Rosslyn, VA 22209
Phone: 703-841-3297
Fax: 703-841-3397
Web: www.nema.org

NEMA (Canvass)
National Electrical Manufacturers Association
1300 North 17th Str., Suite 1752
Rosslyn, VA 22209
Phone: 703 841 3253
Fax: 703 841 3353
Web: www.nema.org

NISO
National Information Standards Organization
One North Charles Street, Suite 1905
Baltimore, MD 21201
Phone: (301) 654-2512
Fax: (410) 685-5278
Web: www.niso.org

NSF
NSF International
P.O. Box 130140
789 N. Dixboro Road
Ann Arbor, MI 48105
Phone: (734) 827-6806
Fax: (734) 827-6831
Web: www.nsf.org

SCTE
Society of Cable Telecommunications Engineers
140 Philips Rd.
Exton, PA 19341
Phone: (610) 594-7308
Fax: (610) 363-5898
Web: www.scte.org

SPRI
Single Ply Roofing Institute
411 Waverley Oaks Road, Suite 331B
Waltham, MA 02452
Phone: (781) 647-7026
Fax: (781) 647-7222
Web: www.spri.org

TAPPI
Technical Association of the Pulp and Paper Industry
15 Technology Parkway South
Norcross, GA 30092
Phone: (770) 209-7276
Fax: (770) 446-6947
Web: www.tappi.org

TIA
Telecommunications Industry Association
2500 Wilson Blvd., Suite 300
Arlington, VA 22201
Phone: (703) 907-7700
Fax: (703) 907-7727
Web: www.tiaonline.org

UL
Underwriters Laboratories, Inc.
333 Pfingsten Road
Northbrook, IL 60062
Phone: (847) 664-2881
Fax: (847) 664-2881
Web: www.ul.com/

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 Member countries 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. In turn, the Secretariat disseminates the information to all WTO Members. The purpose of this requirement is to provide global trading partners with an opportunity to review and comment on the regulations before they become final.

The National Center for Standards and Certification Information (NCSCI) at the National Institute of Standards and Technology (NIST), distributes these proposed foreign technical regulations to U.S. stakeholders via an online service, Notify U.S. Notify U.S. is an e-mail and Web service that allows interested U.S. parties to register, obtain notifications, and read full texts of regulations from countries and for industry sectors of interest to them. To register for Notify U.S., please go to Internet URL: http://www.nist.gov/notifyus/ and click on "Subscribe".

NCSCI is the WTO TBT Inquiry Point for the U.S. and receives all notifications and full texts of regulations to disseminate to U.S. Industry. For further information, please contact: NCSCI, NIST, 100 Bureau Drive, Gaithersburg, MD 20899-2160; Telephone: (301) 975-4040; Fax: (301) 926-1559; E-mail: ncsci@nist.gov or notifyus@nist.gov.

Information Concerning

American National Standards

INCITS Executive Board

ANSI Accredited SDO and US TAG to ISO/IEC JTC 1, Information Technology

The InterNational Committee for Information Technology Standards (INCITS), an ANSI accredited SDO, is the forum for information technology developers, producers and users for the creation and maintenance of formal de jure IT standards. INCITS' mission is to promote the effective use of Information and Communication Technology through standardization in a way that balances the interests of all stakeholders and increases the global competitiveness of the member organizations.

The INCITS Executive Board serves as the consensus body with its oversight of programs of its 40+ Technical Committees. Additionally, the INCITS Executive Board exercises international leadership in its role as the US Technical Advisory Group (TAG) to ISO/IEC JTC 1, Information Technology.

The INCITS Executive Board seeks to broaden its membership base and is recruiting new participants in the following membership categories:

- special interest (user, academic, consortia)
- non-business (government and major/minor SDOs)

Membership in the INCITS Executive Board is open to all directly and materially affected parties in accordance with INCITS membership rules. To find out more about participating on the INCITS Executive Board, please contact Jennifer Garner at 202-626-5737 or jgarner@itic.org. Visit www.INCITS.org for more information regarding INCITS activities.

Calls for Members

Society of Cable Telecommunications

ANSI Accredited Standards Developer

SCTE, an ANSI-accredited SDO, is the primary organization for the creation and maintenance of standards for the cable telecommunications industry. SCTE's standards mission is to develop standards that meet the needs of cable system operators, content providers, network and customer premises equipment manufacturers, and all others who have an interest in the industry through a fair, balanced and transparent process.

SCTE is currently seeking to broaden the membership base of its ANS consensus bodies and is interested in new members in all membership categories to participate in new work in fiber-optic networks, advanced advertising, 3D television, and other important topics. Of particular interest is membership from the content (program and advertising) provider and user communities.

Membership in the SCTE Standards Program is open to all directly and materially affected parties as defined in SCTE's membership rules and operating procedures. More information is available at www.scte.org or by email from standards@scte.org.

ANSI Accredited Standards Developers

Reaccreditation

Electronics Components Association (ECA – under the Electronics Components Industry Assocation)

Comment Deadline: August 13, 2012

The Electronics Components Association (ECA – under the Electronic Components Industry Association), an ANSI Organizational Member, has submitted revisions to its currently accredited operating procedures for documenting consensus on ECA-sponsored American National Standards. As the revisions appear to be substantive in nature, the reaccreditation process is initiated.

To obtain a copy of ECA's revised procedures or to offer comments, please contact: Mr. Edward F. Mikoski, Jr., CStd, Vice President, EIA Standards and Technology, Electronic Components Industry Association, DC Office, 2214 Rock Hill Road, Suite 170, Herndon, VA 20170; phone: 571.323.0253; Email: emikoski@eciaonline.org. You may view/download a copy of the revisions during the public review period at the following URL: http://publicaa.ansi.org/sites/apdl/Documents/Forms/AllItems.aspx?RootFolder=%2fsites%2fapdl%2fDocuments%2fStandards%20Activities%2fPublic%20Review%20and%20Comment%2fANS%20Accreditation%20Actions&View=%7b21C60355%2dAB17%2d4CD7%2dA090%2dBABEEC5D7C60%7d. Please submit any public comments on the revised procedures to ECA by August 13, 2012, with a copy to the ExSC Recording Secretary in ANSI's New York Office (E-mail: Jthompso@ANSI.org).

Withdrawal of Accreditation and Transfer of American National Standard

Recreational Park Trailer Industry Association (RPTIA)

The Recreational Park Trailer Industry Association (RPTIA) has requested the formal withdrawal of its status as an ANSI Accredited Standards Developer and the transfer of responsibility for the maintenance of the ANSI A119.5, Recreational Park Trailer Standard to the Recreational Vehicle Industry Association (RVIA). These actions are taken, effective July 2, 2012. For additional information, please contact: Mr. Kent Perkins, Director, RV Standards, Recreational Vehicle Industry Association, 1896 Preston White Drive, Reston, VA 20191-4363; phone: 703.620.6003; E-mail: kperkins@rvia.org.

ANSI Accreditation Program for Greenhouse Gas Verification/Validation Bodies

Scope Extensions

Conestoga-Rovers & Associates Limited/Conestoga-Rovers & Associates, Inc.

Comment Deadline: August 13, 2012

Conestoga-Rovers & Associates Limited/Conestoga-Rovers & Associates, Inc.
Adam Loney, GGAS Manager
651 Colby Drive
Waterloo, Ontario N2V 1C2
Canada
Phone: 519-884-0510, ext 2287
E-mail: aloney@craworld.com

On July 9, 2012 the ANSI Greenhouse Gas Validation/Verification Accreditation Committee voted to approve an extension of scope of accreditation for Conestoga-Rovers & Associates Limited/Conestoga-Rovers & Associates, Inc. for the following:

Standards:

ISO 14065, Greenhouse gases – Requirements for greenhouse gas validation and verification bodies for use in accreditation or other forms of recognition

Sector Groups:

Verification of assertions related to GHG emission reductions and removals at the project level

01. GHG emission reductions from fuel combustion

Please send your comments by August 13, 2012 to Ann Bowles, Director, Environmental Accreditation Programs, American National Standards Institute, 1899 L Street, NW, 11th Floor, Washington, DC 20036, Fax: 202-293-9287, or e-mail: abowles@ansi.org.

First Environment, Inc.

Comment Deadline: August 13, 2012

First Environment, Inc.
Michael Carim, Associate
91 Fulton St.
Boonton, NJ 07705
Phone: 734-827-6866
E-mail: mic@firstenvironment.com

On July 9, 2012 the ANSI Greenhouse Gas Validation/Verification Accreditation Committee voted to approve an extension of scope of accreditation for First Environment, Inc. for the following:

Standards:

ISO 14065, Greenhouse gases – Requirements for greenhouse gas validation and verification bodies for use in accreditation or other forms of recognition

Sector Groups:

Verification of assertions related to GHG emissions and removals at the organizational level

04. Electric Power Transactions

Please send your comments by August 13, 2012 to Ann Bowles, Director, Environmental Accreditation Programs, American National Standards Institute, 1899 L Street, NW, 11th Floor, Washington, DC 20036, Fax: 202-293-9287, or e-mail: abowles@ansi.org.

KPMG Performance Registrar, Inc.

Comment Deadline: August 13, 2012

KPMG Performance Registrar Inc.
Chris Ridley-Thomas, President
777 Dunsmuir Street
Vancouver, BC V7Y1K3
Canada
Phone: 604-691-3088
E-mail: cridleythomas@kpmg.ca

On July 12, 2012 the ANSI Greenhouse Gas Validation/Verification Accreditation Committee voted to approve an extension of scope of accreditation for KPMG Performance Registrar Inc. for the following:

Standards:

ISO 14065, Greenhouse gases – Requirements for greenhouse gas validation and verification bodies for use in accreditation or other forms of recognition

Sector Groups:

Verification of assertions related to GHG emission reductions and removals at the project level

03. Land Use and Forestry

Please send your comments by August 13, 2012 to Ann Bowles, Director, Environmental Accreditation Programs, American National Standards Institute, 1899 L Street, NW, 11th Floor, Washington, DC 20036, Fax: 202-293-9287, or e-mail: abowles@ansi.org.

Stantec Consulting Ltd.

Comment Deadline: August 13, 2012

Stantec Consulting Ltd.
Michael Murphy, Senior Principal
21 Alison Blvd.
Fredericton, NB E3C 2N5
Canada
Phone: (902) 620-0253
E-mail: Mike.Murphy@stantec.com

On July 9, 2012 the ANSI Greenhouse Gas Validation/Verification Accreditation Committee voted to approve an extension of scope of accreditation for Stantec Consulting Ltd. for the following:

Standards:

ISO 14065, Greenhouse gases – Requirements for greenhouse gas validation and verification bodies for use in accreditation or other forms of recognition

Sector Groups:

Verification of assertions related to GHG emissions and removals at the organizational level

02. Manufacturing

03. Power Generation

Please send your comments by August 13, 2012 to Ann Bowles, Director, Environmental Accreditation Programs, American National Standards Institute, 1899 L Street, NW, 11th Floor, Washington, DC 20036, Fax: 202-293-9287, or e-mail: abowles@ansi.org.

ANSI Accreditation Program for Third Party Product Certification Agencies

Application for Product Certification Accreditation Program

Post-Tensioning Institute (PTI)

Comment Deadline: August 13, 2012

Theodore L. Neff, Executive Director
Post-Tensioning Institute (PTI)
38800 Country Club Drive
Farmington Hills, MI 48331
Phone: 248-848-3185
Fax: 248-848-3181
E-mail: ted.neff@post-tensioning.org
Web: www.post-tensioning.org

Certification body has submitted formal application for accreditation by ANSI of the following certification program of this certification body:

PTI Unbonded Tendon Plant Certification Program

Please send your comments by August 13, 2012 to Reinaldo Balbino Figueiredo, Senior Program Director, Product Certifier Accreditation, American National Standards Institute, 1899 L Street, NW, 11th Floor, Washington, DC 20036, Fax: 202-293 9287 or E-mail: rfigueir@ansi.org, or Nikki Jackson, Program Manager, Product Certifier Accreditation, American National Standards Institute, 1899 L Street, NW, 11th Floor, Washington, DC 20036 Fax: 202-293 9287 or E-mail: njackson@ansi.org.

Initial Accreditations

Guardian Fire Testing Laboratories, Inc.

Comment Deadline: August 13, 2012

Louanne Pearson, Ph.D.
Guardian Fire Testing Laboratories, Inc.
480 Hinman Ave.
Buffalo, NY 14216
E-mail: gftli@earthlink.net
Phone: 716-835-6880
Fax: 716-835-5682
Web: www.firetesting.com

On July 10, 2012, Guardian Fire Testing Laboratories, Inc. was approved for ANSI Initial Accreditation for the following scopes:

13 ENVIRONMENT. HEALTH PROTECTION. SAFETY

13.220 Protection against fire

13.220.40 Ignitability and burning behaviour of materials and products

13.220.50 Fire-resistance of building materials and elements

13.220.99 Other standards related to protection against fire

Please send your comments by August 13, 2011 to Reinaldo Balbino Figueiredo, Senior Program Director, Product Certifier Accreditation, American National Standards Institute, 1899 L Street, NW, 11th Floor, Washington, DC 20036, Fax: 202-293-9287 or E-mail: rfigueir@ansi.org, or Nikki Jackson, Sr. Program Manager, Product Certifier Accreditation, American National Standards Institute, 1899 L Street, NW, 11th Floor, Washington, DC 20036, Fax: 202-293-9287 or E-mail: njackson@ansi.org.

UL Environment, Inc.

Comment Deadline: August 13, 2012

Mr. James Halsey
UL Environment, Inc.
333 Pfingsten Road
Northbrook, IL 60062
E-mail: jhalsey@aqs.com
Phone: (678) 444-4024
Fax: (770) 933-0641

On July 10, 2012, UL Environment Inc. was approved for ANSI Initial Accreditation for the following scope:

BIFMA level: The Sustainability Certification Program for Furniture

Please send your comments by August 13, 2012 to Reinaldo Balbino Figueiredo, Senior Program Director, Product Certifier Accreditation, American National Standards Institute, 1899 L Street, NW, 11th Floor, Washington, DC 20036, Fax: 202-293-9287 or E-mail: rfigueir@ansi.org, or Nikki Jackson, Sr. Program Manager, Product Certifier Accreditation, American National Standards Institute, 1899 L Street, NW, 11th Floor, Washington, DC 20036, Fax: 202-293-9287 or E-mail: njackson@ansi.org).

ANSI-ASQ National Accreditation Board (ANAB)

Public Comments Sought

Draft Revision of ANAB Accreditation Rule 40, Accreditation Program for Organizational Resilience-Emergency Management-Business Continuity Management System

Comment Deadline: August 12, 2012

Public comments are sought on the draft revision of ANAB Accreditation Rule 40, Accreditation Program for Organizational Resilience-Emergency Management-Business Continuity Management Systems. The revision adds a fifth standard, ISO 22301, Societal security – Business continuity management systems – Requirements. Additional revisions are proposed to align the AR with other ARs to ensure requirements are stated consistently. Interested parties are invited to login to EQM at http://anab.remoteauditor.com/ to download the document and comment on public ballot 1029. (Note: A username and password are required. If you do not have a username and password for EQM, go to http://www.anab.org/UserRegistration/WebBallotUsers_Registration.aspx.) Please submit your comments no later than August 12, 2012.

Public comments are sought on draft ANAB Accreditation Rule C, Requirement for Certification Body Address on ANAB-Accredited Certification Documents. Interested parties are invited to login to EQM at http://anab.remoteauditor.com/ to download the document and comment on public ballot 1030. (Note: A username and password are required. If you do not have a username and password for EQM, go to http://www.anab.org/UserRegistration/WebBallotUsers_Registration.aspx.) Please submit your comments no later than August 12, 2012.

International Organization for Standardization (ISO)

ISO Proposal for a New Field of ISO Technical Activity

Light and Lighting

Comment Deadline: August 10, 2012

DIN (Germany) has submitted to ISO the attached proposal for a new field of technical activity on Light and lighting with the following scope statement:

Standardization in the field of application of lighting in specific cases complementary to the work items of the International Commission on Illumination (CIE) and the coordination of drafts from the CIE, in accordance with Council Resolution 19/1984 and Council Resolution 10/1989 concerning vision, photometry and colorimetry, involving natural and man-made radiation over the UV, the visible and the IR regions of the spectrum, and application subjects covering all usages of light, indoors and outdoors, energy efficiency, including environmental, non-visual biological and health effects.

Anyone wishing to review the new work item proposal can request a copy of the proposal by contacting ANSI's ISO Team via email: isot@ansi.org with submission of comments to Steve Cornish (scornish@ansi.org) by close of business on Friday, August 10, 2012.

Information Concerning

International Organization for Standardization (ISO)

Call for International (ISO) Secretariat

ISO/TC 28 – *Petroleum products and lubricants*
ISO/TC 28/SC 7 – *Liquid biofuels*

ANSI has delegated the responsibility for the administration of the secretariats for ISO/TC 28 (Petroleum products and lubricants) and ISO/TC 28/SC 7 (Liquid biofuels) to ASTM International. ASTM International has advised ANSI of its intent to relinquish its role as delegated secretariat for both of the aforementioned ISO committees.

ISO/TC 28 operates under the following scope:

> Standardization of terminology, classification, specifications, methods of sampling, measurement, analysis and testing for:

- Petroleum;
- Petroleum products;
- Petroleum based lubricants and hydraulic fluids;
- Non-petroleum based liquid fuels;
- Non-petroleum based lubricants and hydraulic fluids.

ANSI is seeking organizations in the U.S. that may be interested in assuming the delegated responsibility for the administration of the secretariats for ISO/TC 28 and/or ISO/TC 28/SC 7.

Additionally, ANSI may be assigned the responsibility for administering an ISO secretariat. Any request that ANSI accept a secretariat shall demonstrate that:
1. the affected interests have made a financial commitment for not less than three years, covering all defined costs incurred by ANSI associated with holding the secretariat;
2. the affected technical sector, organizations or companies desiring that the U.S. hold the secretariat request that ANSI perform this function;
3. the relevant US TAG has been consulted with regard to ANSI's potential role as secretariat; and
4. ANSI is able to fulfill the requirements of a secretariat.

Organizations seeking information concerning the United States retaining the role of international secretariat may be obtained by contacting ANSI at isot@ansi.org by September 1, 2012. If there is no support for retaining the ISO/TC 28 secretariat and/or the ISO/TC 28/SC 7 secretariat in the United States, then ANSI will so advise the ISO Central Secretariat.

APSP-5 Proposed changes to Articles 6.1 and 6.1.1.
June 28, 2012

6.1 **Entry/exit.** All pools shall have a means of entry/exit in the shallow area(s) if water depth exceeds 24 inches (61.0 cm) at the shallowest point. The means of entry/exit shall be located on the shallow side of any first slope change. ~~Pools having more than one shallow area, including but not limited to; center deep, play or sports pools, shall use the same means of entry/exit in all shallow areas.~~

6.1.1 A secondary means of entry/exit shall be provided in the deep area of the pool if the water depth exceeds 5 feet (152.4 cm).

Exception; in pools where a deep end egress may present a potential hazard handholds may be substituted for a means of egress. See Section 17.

6.1.2 Entries/exits shall consist of one (1) or a combination of the following: steps, stairs, ladders, treads, ramps, beach entries, underwater seats, benches, swimouts, mechanical lifts, and other designs or products that provide the minimum utility as specified in this standard.

6.1.3 Pools over 30 feet (914 cm) wide at the deep end shall provide entries/exits on both sides of the deep area of the pool.

BSR/ASHRAE/IES Addendum au
to ANSI/ASHRAE/IES Standard 90.1-2010

Public Review Draft

Proposed Addendum au to Standard 90.1-2010, *Energy Standard for Buildings Except Low-Rise Residential Buildings*

First Public Review (July/2012)
(Draft shows Proposed Changes to Current Standard)

This draft has been recommended for public review by the responsible project committee. To submit a comment on this proposed standard, go to the ASHRAE website at www.ashrae.org/standards-research--technology/public-review-drafts and access the online comment database. The draft is subject to modification until it is approved for publication by the Board of Directors and ANSI. Until this time, the current edition of the standard (as modified by any published addenda on the ASHRAE website) remains in effect. The current edition of any standard may be purchased from the ASHRAE Online Store at www.ashrae.org/bookstore or by calling 404-636-8400 or 1-800-727-4723 (for orders in the U.S. or Canada).

This standard is under continuous maintenance. To propose a change to the current standard, use the change submittal form available on the ASHRAE website, www.ashrae.org.

The appearance of any technical data or editorial material in this public review document does not constitute endorsement, warranty, or guaranty by ASHRAE of any product, service, process, procedure, or design, and ASHRAE expressly disclaims such.

ASHRAE, 1791 Tullie Circle, NE, Atlanta GA 30329-2305

(This foreword is not part of this standard. It is merely informative and does not contain requirements necessary for conformance to the standard. It has not been processed according to the ANSI requirements for a standard and may contain material that has not been subject to public review or a consensus process. Unresolved objectors on informative material are not offered the right to appeal at ASHRAE or ANSI.)

FOREWORD

This addendum does the following:

1. *Adds a requirement that the sound attenuation credit is only available if there are background noise criteria requirements.*
2. *Adds a deduction for systems without any central heating or cooling device. Since the base level fan power allowances include the assumption that those components are present, the deduction is warranted for those systems that do not include those component.*
3. *Adds a deduction for systems with electric resistance heating. Since the base level fan power allowances include the assumption that hydronic heating coils are present, systems with electric resistance heating coils that have less pressure drop do not need the full allowance assumed in the base level.*

Note: In this addendum, changes to the current standard are indicated in the text by underlining (for additions) and strikethrough (for deletions) unless the instructions specifically mention some other means of indicating the changes. Only these changes are open for review and comment at this time. Additional material is provided for context only and is not open for comment except as it relates to the proposed substantive changes.

Addendum au to 90.1-2010

Revise the Standard as follows (SI and IP units)

TABLE 6.5.3.1.1B Fan Power Limitation Pressure Drop Adjustment

Device	Adjustments
Credits	
Fully ducted return and/or exhaust air systems	0.5 in. w.c. (2.15 in. w.c. for laboratory and vivarium systems)
Return and/or exhaust airflow control devices	0.5 in. w.c.
Exhaust filters, scrubbers, or other exhaust treatment	The pressure drop of device calculated at fan system design condition
Particulate Filtration Credit: MERV 9 through 12	0.5 in. w.c.
Particulate Filtration Credit: MERV 13 through 15	0.9 in. w.c.

Particulate Filtration Credit: MERV 16 and greater and electronically enhanced filters	Pressure drop calculated at 2× clean filter pressure drop at fan system design condition
Carbon and other gas-phase air cleaners	Clean filter pressure drop at fan system design condition
Biosafety cabinet	Pressure drop of device at fan system design condition
Energy Recovery Device, other than Coil Runaround Loop	(2.2 × Energy Recovery Effectiveness)—0.5 in w.c. for each airstream
Coil Runaround Loop	0.6 in. w.c. for each airstream
Evaporative humidifier/cooler in series with another cooling coil	Pressure drop of device at fan system design condition
Sound Attenuation Section (fans serving spaces with design background noise goals below NC35)	0.15 in. w.c.
Exhaust system serving fume hoods	0.35 in. w.c.
Laboratory and vivarium exhaust systems in high-rise buildings	0.25 in. w.c./100 ft of vertical duct exceeding 75 ft

Deductions

Systems without central cooling device	- 0.6 in. w.c. (150 Pa)
Systems without central heating device	- 0.3 in. w.c. (75 Pa)
Systems with central electric resistance heat	- 0.2 in. w.c.(50 Pa)

BSR/ASHRAE/IES Addendum av
to ANSI/ASHRAE/IES Standard 90.1-2010

Public Review Draft

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FOREWORD

In the 90.1-2010 standard the SSPC included data centers within the scope of the standard. A significant factor was to require data centers to have economizers (air or water side) based on the exceptions listed in 6.5.1 section k. The inclusion of Section 6.5.1, exception k was a means to include computer rooms and data centers into Standard 90.1-2010 from all interested parties including TC9.9. The exceptions as listed for economizers are intended for a small subset of industry datacenters who are required to go to greater lengths to comply with other industry regulations, codes, and/or other standards in order to ensure reliable operations of those mission critical facilities and their associated services, which if interrupted could create substantial "systemic risk", compromise public safety, and/or otherwise interrupt services vital to national security, financial stability, commerce, and communications. The proposed change is an effort to make the economizer exceptions more strict and is in agreement with TC 9.9.

Note: In this addendum, changes to the current standard are indicated in the text by underlining (for additions) and strikethrough (for deletions) unless the instructions specifically mention some other means of indicating the changes. Only these changes are open for review and comment at this time. Additional material is provided for context only and is not open for comment except as it relates to the proposed substantive changes.

Addendum av to 90.1-2010

Revise the Standard as follows

6.5.1. Economizers.

Exceptions:

k. Dedicated systems for *computer rooms* where a minimum of 75% of the design load serves:

2. those spaces having a ~~mechanical cooling~~ design of Tier IV as defined by ANSI/TIA-942

BSR/ASHRAE/IES Addendum aw
to ANSI/ASHRAE/IES Standard 90.1-2010

Public Review Draft

Proposed Addendum aw to Standard 90.1-2010, *Energy Standard for Buildings Except Low-Rise Residential Buildings*

First Public Review (July/2012)
(Draft shows Proposed Changes to Current Standard)

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FOREWORD

This references the latest edition of Standard 140, Standard Method of Test for the Evaluation of Building Energy Analysis Computer Programs.

Note: In this addendum, changes to the current standard are indicated in the text by underlining (for additions) and strikethrough (for deletions) unless the instructions specifically mention some other means of indicating the changes. Only these changes are open for review and comment at this time. Additional material is provided for context only and is not open for comment except as it relates to the proposed substantive changes.

Addendum aw to 90.1-2010

Update reference as follows:

11.2.1.4 The simulation program shall be tested according to Standard 140, except Sections 7 and 8 of Standard 140, and the results shall be furnished by the software provider.

G2.2.4 The simulation program shall be tested according to ASHRAE Standard 140, except Sections 7 and 8 of Standard 140, and the results shall be furnished by the software provider.

Reference	Title
ANSI/ASHRAE Standard 140-~~2004~~ 2011	Standard Method of Test for the Evaluation of Building Energy Analysis Computer Programs

BSR/ASHRAE/IES Addendum ax
to ANSI/ASHRAE/IES Standard 90.1-2010

Public Review Draft

Proposed Addendum ax to Standard 90.1-2010, *Energy Standard for Buildings Except Low-Rise Residential Buildings*

First Public Review (July/2012)
(Draft shows Proposed Changes to Current Standard)

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FOREWORD

This addendum requires that all shading by adjacent structures be modeled per G3.1 part 14a.

Note: In this addendum, changes to the current standard are indicated in the text by underlining (for additions) and strikethrough (for deletions) unless the instructions specifically mention some other means of indicating the changes. Only these changes are open for review and comment at this time. Additional material is provided for context only and is not open for comment except as it relates to the proposed substantive changes.

Addendum ax to 90.1-2010

Revise the Standard as follows

Table G3.1 Part 14

14. Exterior Conditions	
a. **Shading by adjacent structures and terrain:** The effect that structures and significant vegetation or topographical features have on the amount of solar radiation being received by a structure shall be adequately reflected in the computer analysis. All elements whose effective height is greater than their distance from a proposed building and whose width facing the proposed building is greater than one-third that of the proposed building shall be accounted for in the analysis. ~~If the computer program has a subroutine to simulate shading by adjacent structures, then this option shall be used. If the computer program does not have a subroutine to simulate shading by adjacent structures, ·then any portion of a structure that is shaded most of the time is allowed to be modeled as having a north-facing orientation.~~	Same as Proposed Design.
b. **Ground temperatures for below-grade wall and basement floor heat loss calculations:** It is acceptable to use either an annual average ground temperature or monthly average ground temperatures for calculation of heat loss through below-grade walls and basement floors.	
c. **Water main temperatures for service water heating calculations:** It is acceptable to use either an annual water main supply temperature or monthly average water main supply temperatures for calculating service water heating. If annual or monthly water main supply temperatures are not available from the local water utility, annual average ground temperatures may be used.	

BSR/ASHRAE/IES Addendum ay
to ANSI/ASHRAE/IES Standard 90.1-2010

Public Review Draft

Proposed Addendum ay to Standard 90.1-2010, *Energy Standard for Buildings Except Low-Rise Residential Buildings*

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FOREWORD

This revision of the daylighting requirements incorporates additional energy savings measures as well as clarification and simplification. Specifically, the revision:

- *Changes the thresholds for applying daylighting controls to a wattage controlled basis which will apply to more spaces in a buildings for additional energy savings*
- *Simplifies the delineation of daylight zones and clarifies area calculations*
- *Eliminates the need for effective aperture calculation*
- *Is based on extensive cost effective application analysis*

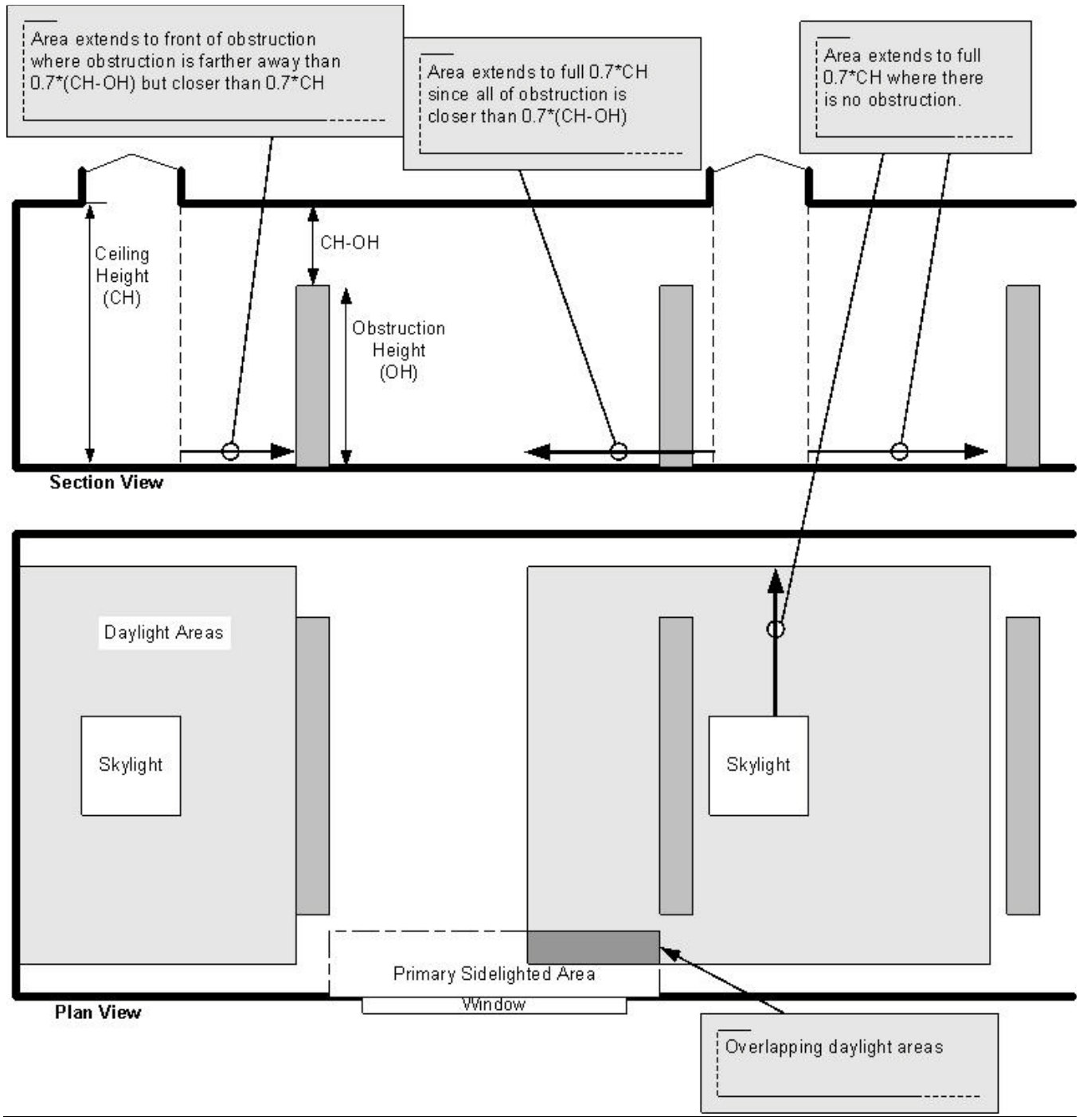
Note: In this addendum, changes to the current standard are indicated in the text by underlining (for additions) and strikethrough (for deletions) unless the instructions specifically mention some other means of indicating the changes. Only these changes are open for review and comment at this time. Additional material is provided for context only and is not open for comment except as it relates to the proposed substantive changes.

Addendum ay to 90.1-2010

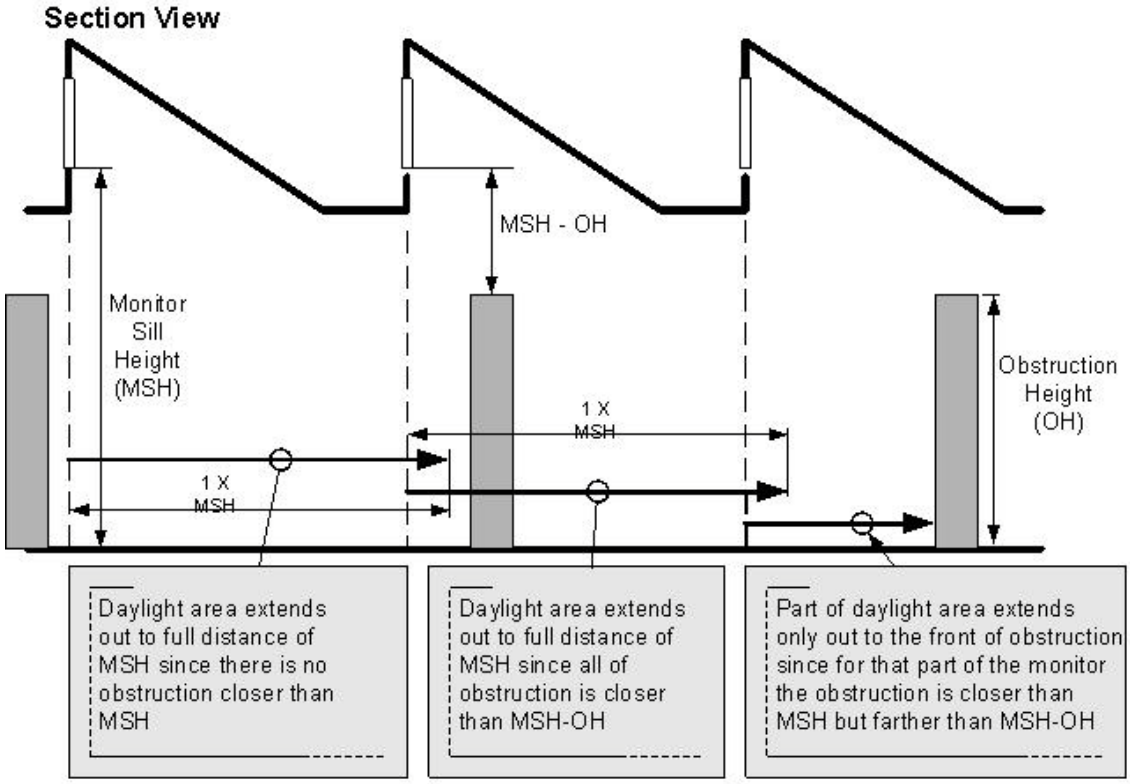
Revise the Standard as follows

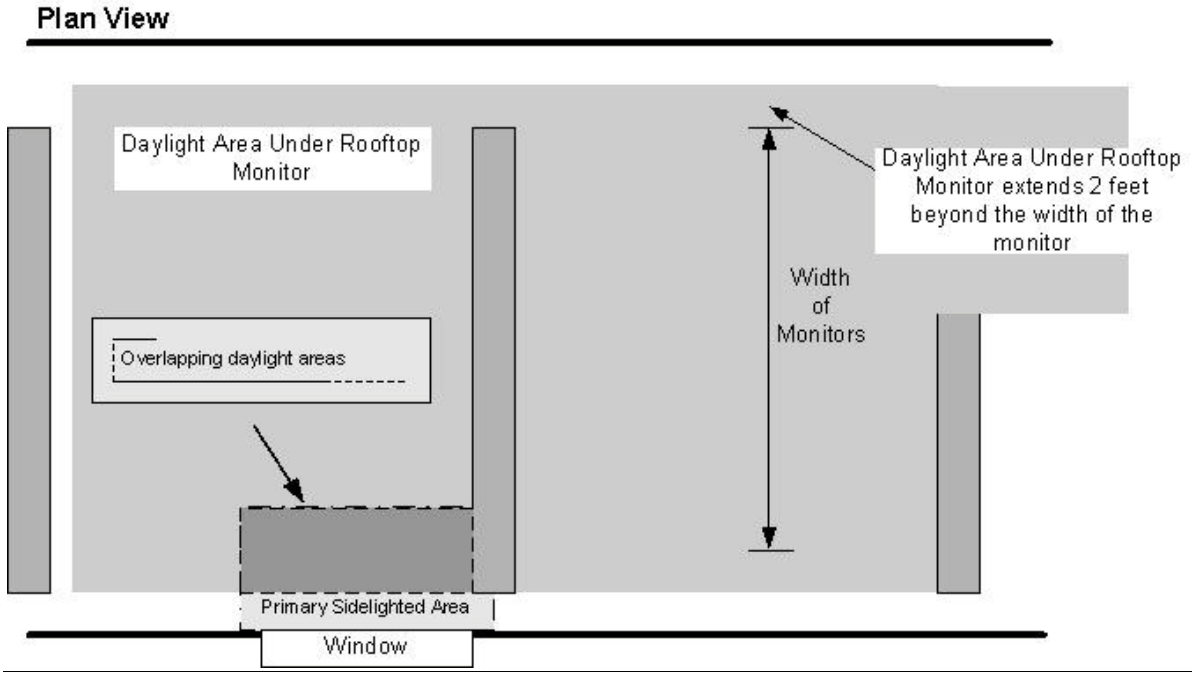
3.2 Definitions

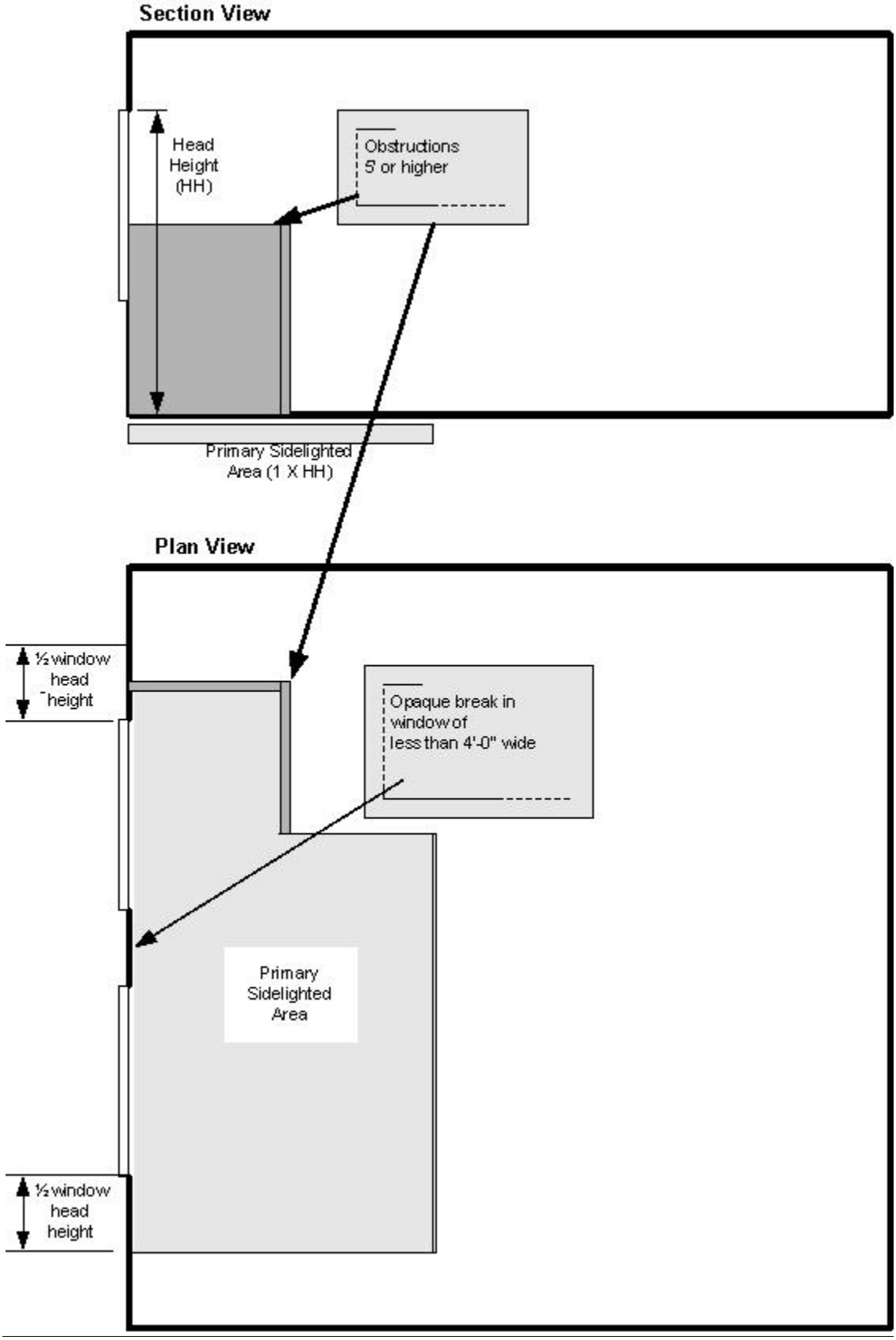
Note: Append figures 3.1 through 3.4 to indicate that sidelighted areas can overlap toplighted areas, provided luminaires in the overlapping areas are controlled by photocontrols for toplighting and revise dimensions.

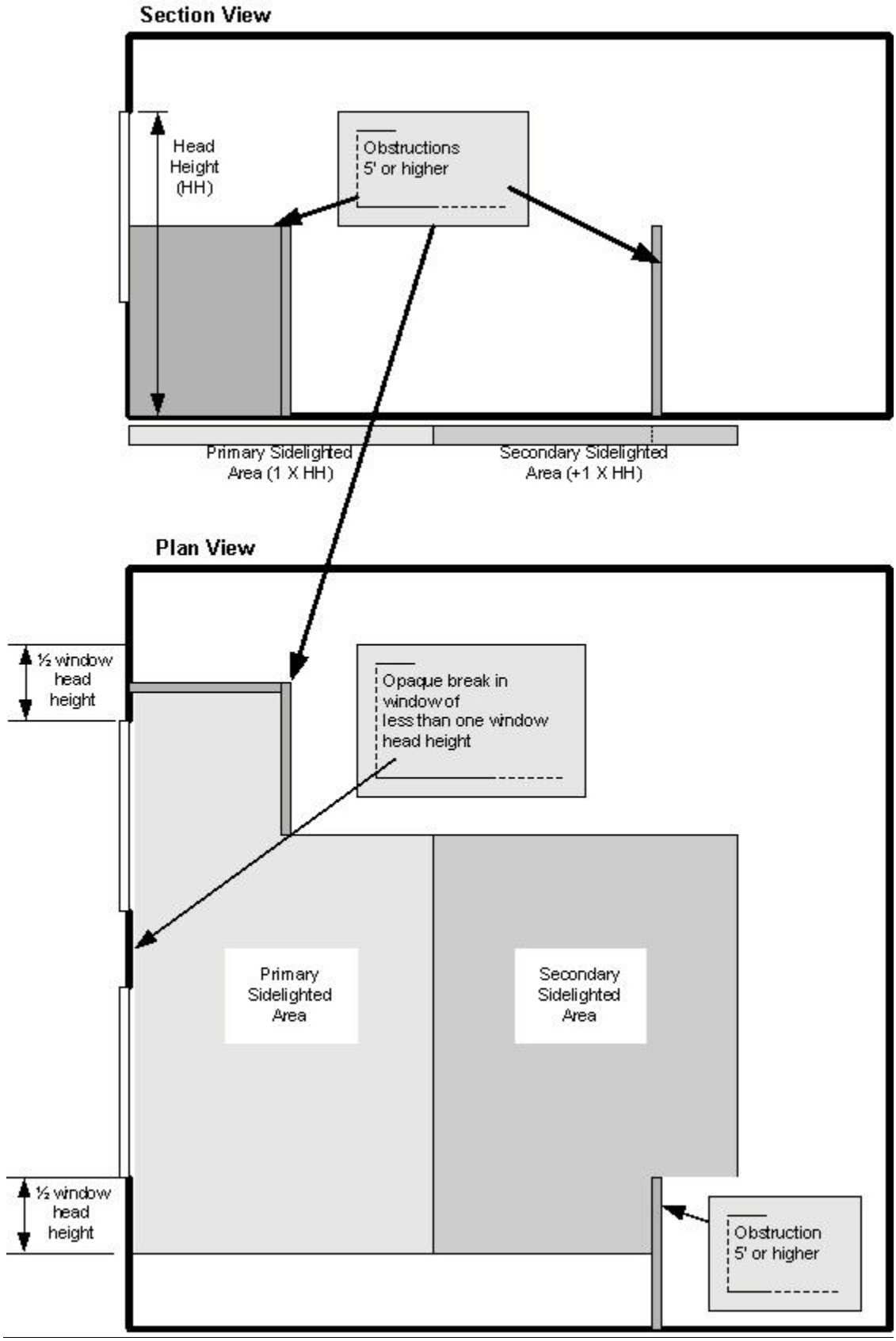

Area extends to front of obstruction where obstruction is farther away than 0.7*(CH-OH) but closer than 0.7*CH
Area extends to full 0.7*CH since all of obstruction is closer than 0.7*(CH-OH)
Area extends to full 0.7*CH where there is no obstruction.
Ceiling Height (CH)
CH-OH
Obstruction Height (OH)
Section View
Daylight Areas
Skylight
Skylight
Primary Sidelighted Area
Window
Plan View
Overlapping daylight areas

BSR/ASHRAE/IES Addendum ay to ANSI/ASHRAE/IES Standard 90.1-2010, *Energy Standard for Buildings Except Low-Rise Residential Buildings*
First Public Review Draft






Section View
Head Height (HH)
Obstructions 5' or higher
Primary Sidelighted Area (1 X HH)
Plan View
½ window head height
Opaque break in window of less than 4'-0" wide
Primary Sidelighted Area
½ window head height


Section View
Head Height (HH)
Obstructions 5' or higher
Primary Sidelighted Area (1 X HH)
Secondary Sidelighted Area (+1 X HH)
Plan View
½ window head height
Opaque break in window of less than one window head height
Primary Sidelighted Area
Secondary Sidelighted Area
½ window head height
Obstruction 5' or higher

***daylight area*:**

a. *daylight area under skylights*: the *daylight area under skylights* is the combined daylight area under each skylight within a *space*. The daylight area under each skylight is bounded by the opening beneath the skylight, plus horizontally in each direction, the smaller of (See Figure 3.1):
   1. 70% of the ceiling height (0.7 × CH), or
   2. the distance to the front face of any opaque vertical obstruction where any part of the obstruction is farther away than 70% of the distance between the top of the obstruction and the ceiling (0.7 × [CH– OH]), where CH = the height of the ceiling at the lowest edge of the skylight, and OH = the height to the top of the obstruction.

b. *daylight area under roof monitors*: *the daylight area under roof monitors* is the combined daylight area under each roof monitor within each *space*. The daylight area under each roof monitor is the product of a)the width of the vertical fenestration above the ceiling level plus on each side, the smallest of:
   1. 2 feet, or
   2. the distance to any 60 in or higher vertical obstruction or
   3. the distance to the edge of any primary sidelighted area

   and b)the smaller of the following horizontal distances inward from the bottom edge of the vertical fenestration, (See Figure 3.2):
   1. the monitor sill height, MSH, (the vertical distance from the floor to the bottom edge of the monitor glazing), or
   2. the distance to the front face of any opaque vertical obstruction where any part of the obstruction is farther away than the difference between the height of the obstruction and the monitor sill height (MSH-OH).

c. *primary sidelighted area*: the total *primary sidelighted area* is the combined primary sidelighted area within each *space*. Each primary sidelighted area is directly adjacent to vertical fenestration below the ceiling. See Figure 3.3.
   1. The primary sidelighted area width is the width of the vertical fenestration plus, on each side, the smaller of:
      i. one half of the vertical fenestration head height (head height is the distance from the floor to the top of the glazing), or
      ii. the distance to any 5 ft or higher opaque vertical obstruction.
   2. The primary sidelighted area depth is the horizontal distance perpendicular to the vertical fenestration which is the smaller of:
      i. one vertical fenestration head height, or
      ii. the distance to any 5 ft or higher opaque vertical obstruction.

d. *secondary sidelighted area*: the total *secondary sidelighted area* is the combined secondary sidelighted area within a *space*. Each secondary sidelighted area is directly adjacent to a primary sidelighted area. See Figure 3.4.

1. The secondary sidelighted area width is the width of the vertical fenestration plus, on each side, the smaller of:
    i. one half of the vertical fenestration head height, or
    ii. the distance to any 5 ft or higher opaque vertical obstruction.
2. The secondary sidelighted area depth is the horizontal distance perpendicular to the vertical fenestration which begins at the edge of the primary sidelighted area depth and ends at the smaller of:
    i. one vertical fenestration head height, or
    ii. the distance to any 5 ft or higher opaque vertical obstruction.

If the adjacent primary sidelighted area ends at a 5 ft or higher opaque vertical obstruction, there is no secondary sidelighted area beyond such obstruction.

~~***primary sidelighted area:*** the total *primary sidelighted area* is the combined *primary sidelighted area* without double counting overlapping areas. The floor area for each *primary side-lighted area* is directly adjacent to vertical *fenestration* below the ceiling with an area equal to the product of the *primary side-lighted area* width and the *primary sidelighted area* depth. See Figure 3.3.~~

~~The *primary sidelighted area* width is the width of the *vertical fenestration* plus, on each side, the smallest of:~~

~~1. 2 ft or~~
~~2. the distance to any 5 ft or higher vertical obstruction.~~

~~The *primary sidelighted area* depth is the horizontal distance perpendicular to the *vertical fenestration* which is the smaller of:~~

~~1. one *vertical fenestration* heat height (head height is the distance from the floor to the top of the glazing), or~~
~~2. the distance to any 5 ft or higher vertical obstruction.~~

~~**sidelighting effective aperture:** relationship of daylight transmitted through windows to the primary sidelighted areas. The sidelighting effective aperture is calculated according to the following formula:~~

~~Sidelighting Effective Aperture = Σ window area x window VT / area of primary sidelighted area~~

~~where window VT is the visible transmittance of windows as determined in accordance with Section 5.8.2.6.~~

~~***secondary sidelighted area:*** the total *secondary sidelighted area* is the combined *secondary sidelighted area* without double counting overlapping areas. The floor area for each *secondary sidelighted area* is directly adjacent to a *primary sidelighted area* with an area equal to the product of the *secondary sidelighted area* width and the *secondary side-lighted area* depth. See Figure 3.4.~~

~~The *secondary sidelighted area* width is the width of the *vertical fenestration* plus, on each side, the smallest of:~~
~~1. 2 ft , or~~
~~2. the distance to any 5 ft or higher vertical obstruction.~~

~~The *secondary sidelighted area* depth is the horizontal distance perpendicular to the *vertical fenestration* which begins at the edge of the *primary sidelighted area* depth and ends at the smaller of:~~

~~1. one *vertical fenestration* head height (head height is the distance from the floor to the top of the glazing), or~~
~~2. the distance to any 5 ft or higher vertical obstruction.~~

~~If the adjacent *primary sidelighted area* ends at a 5 ft or higher vertical obstruction or beyond the nearest edge of a neighboring *daylight area under skylight* or *primary sidelighted area*, there is no *secondary sidelighted area* beyond such obstruction or the edge of such areas.~~

~~***under skylights*** the *daylight area under skylights* is the combined daylight area under each *skylight* without double counting overlapping areas. The daylight area under each skylight is bounded by the opening beneath the skylight, plus horizontally in each direction, the smallest of (See Figure 3.1):~~

~~1. 70% of the ceiling height (0.7 × *CH*), or~~
~~2. the distance to any primary sidelighted area, or the *daylight area under rooftop monitors*, or~~

~~the distance to the front face of any vertical obstruction where any part of the obstruction is farther away than 70% of the distance between the top of the obstruction and the ceiling (0.7 × [CH – OH]), where *CH* = the height of the ceiling at the lowest edge of the skylight, and *OH* = the height to the top of the obstruction.~~

~~***under rooftop monitors*** the *daylight area under rooftop monitors* is the combined *daylight area* under each *rooftop monitor* without double counting overlapping ares. The *daylight area* under each *rooftop monitor* is the product of the width of the vertical glazing above the ceiling level and the smallest of the following horizontal distances inward from the bottom edge of the glazing, (See Figure 3.2):~~

~~1. the monitor sill height, MSH, (the vertical distance from the floor to the bottom edge of the monitor glazing), or~~
~~2. the distance to the edge of any *primary sidelighted area* or~~
~~3. the distance to the front face of any vertical obstruction where any part of the obstruction is farther away than the difference between the height of the obstruction and the monitor sill height (MSH-OH).~~

9.4.1.4 Automatic Daylighting Controls for Sidelighting.

1. In any *space* where the combined input power of all general lighting completely or partially within the *primary sidelighted areas* is 120W or greater, the general lighting in the *primary sidelighted areas* shall be controlled by photocontrols.
2. In any *space* where the combined input power of all general lighting completely or partially within the *primary* and *secondary sidelighted areas* is 240W or greater the general lighting in the *primary sidelighted areas* and *secondary sidelighted areas* shall be controlled by photocontrols.
3. The control system shall have the following characteristics:
   a. the calibration adjustments shall be *readily accessible*;
   b. at a minimum, general lighting in the *secondary sidelighted area* shall be controlled independently of the general lighting in the *primary sidelighted area*;
   c. the photocontrol shall reduce electric lighting in response to available daylight using continuous dimming or with at least one control point between 50% and 70% of design lighting power, a second control point between 20% and 40% of design lighting power, and a third control point that turns off all the controlled lighting.

Exceptions to 9.4.1.4 (1) and (2):

a. *Primary sidelighted areas* where the top of the existing adjacent structures are twice as high above the windows as their distance away from the windows
b. Sidelighted areas where the total glazing area is less than 20 ft^2
c. Retail spaces

9.4.1.5 Automatic Daylighting Controls for Toplighting. In any *space* where the combined input power for all general lighting completely or partially within *daylight areas under skylights* and *daylight areas under roof monitors* is 120W or greater, general lighting in the *daylight area* shall be controlled by photocontrols having the following characteristics:

a. the calibration adjustments shall be *readily accessible*;
b. the photocontrol shall reduce electric lighting in response to available daylight using continuous dimming or with at least one control point that is between 50% and 70% of design lighting power, a second control point between 20% and 40% of design lighting power, and a third control point that turns off all the controlled lighting; and
c. General lighting in overlapping toplighted and sidelighted *daylight areas* shall be controlled together with general lighting in the *daylight area under skylights* or *daylight areas under roof monitors*.

Exceptions to 9.4.1.5:

a. *Daylight areas under skylights* where it is documented that existing adjacent structures or natural objects block direct beam sunlight for more than 1500 daytime hours per year between 8 a.m. and 4 p.m.
b. *Daylight areas* where the skylight *visible transmittance* (*VT*) is less than 0.4.
c. In each *space* within buildings in climate zone 8 where the input power of the general lighting within *daylight areas* is less than 200W.

~~**9.4.1.4 Automatic Daylighting Controls for *Primary Sidelighted Areas*.** When the combined *primary sidelighted area* in an *enclosed space* equals or exceeds 250 ft^2, the lamps for *general lighting* in the *primary sidelighted area* shall be separately controlled by at least one multilevel photocontrol (including continuous dimming devices) having the following characteristics:~~

~~a. the light sensor for the photocontrol shall be remote from where calibration adjustments are made;~~
~~b. the calibration adjustments shall be readily accessible; and~~
~~c. the multilevel photocontrol shall reduce electric lighting in response to available daylight with at least one control step that is between 50% and 70% of design lighting power and another control step that is no greater than 35% (including off) of design power.~~

~~**Exceptions:**~~

~~*a. Primary sidelighted areas* where the top of the existing adjacent structures are twice as high above the windows as their distance away from the windows~~
~~*b. Primary sidelighted areas* where the *sidelighting effective aperture* is less than 0.1 (10%)~~
~~c. retail spaces~~

~~**9.4.1.5 Automatic Daylighting Controls for *Toplighting*.** When the total *daylight area under skylights* plus the total *daylight area under rooftop monitors* in an *enclosed space* exceeds 900 ft^2, the lamps for *general lighting* in the *daylight area* shall be separately controlled by at least one multilevel photocontrol (including continuous dimming devices) having the following characteristics:~~

~~a. the light sensor for the photocontrol shall be remote from where calibration adjustments are made,~~
~~b. the calibration adjustments shall be readily accessible, and~~

~~c. the multilevel photocontrol shall reduce electric lighting in response to available daylight with at least one control step that is between 50% and 70% of design lighting power and another control step that is no greater than 35% of design power.~~

~~**Exceptions:**~~

~~*a. Daylighted areas under skylights* where it is documented that existing adjacent structures or natural objects block direct beam sunlight for more than 1500 daytime hours per year between 8 a.m. and 4 p.m.~~
~~*b. Daylighted areas* where the *skylight effective aperture* (EA) is less than 0.006 (0.6%).~~
~~*c. Buildings* in climate zone 8 with *daylight areas* totaling less than 1,500 ft^2 in an *enclosed space*.~~

9.7.2.3 Daylighting Documentation. The design documents shall identify all luminaires for general lighting that all located within *daylight areas under skylights*, *daylight areas under roof monitors* as well as *primary sidelighted areas* and *secondary sidelighted areas*.

5.7 Submittals

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5.7.3 Submittal Documentation of Daylight Areas. Daylighting documentation shall identify *daylight areas* on floor plans including the *primary sidelighted areas*, *secondary sidelighted areas*, *daylight areas under skylights*, and *daylight areas under roof monitor*.

TABLE 9.6.2 Control Factors Used in Calculating Additional Interior Lighting Power Allowance

Additional Control Method (in Addition to Mandatory Requirements).	Space Type: Open Office	Private Office	Conference Room, Meeting Room, Classroom (Lecture/ Training)	Retail Sales Area	Lobby, Atrium, Dining Area, Corridors/ Stairways, Gym/ Pool, Mall Concourse, Parking Garage
Manual, continuous dimming control or Programmable multi-level dimming control	0.05	0.05	0.10[1]	0.10	0
~~Programmable multi-level dimming control using programmable~~ time scheduling	0.05	0.05	0.10[1]	0.10	0.10
Multi-level occupancy sensors	0.05	0.05	0.05	0	0
~~Occupancy sensors controlling the downlight component of workstation specific luminaires with continuous dimming to off capabilities.~~	0.25[2]	0	0	0	0
Occupancy sensors controlling the downlight component of workstation specific luminaires with continuous dimming to off operation, in combination with personal continuous dimming control of downlight illumination by workstation occupant.	0.30[23]	0	0	0	0
Automatic ~~bi-level switching, or~~ multi-level switching or continuous dimming in *primary* and *secondary sidelighted areas* ~~when *sidelighting effective aperture* is greater than 0.15~~	0	0	0	0.10[4]	0
Automatic ~~bi-level switching, or~~ multi-level switching or continuous dimming in *primary sidelighted areas* ~~when *sidelighting effective aperture* is greater than 0.15 and~~ when the controlled watts are less than 120W in the *primary sidelighted area* ~~is less than 250 ft^2~~ or less than 240W in combined primary and secondary sidelighted areas.	0.10[4]	0.10[4]	0.10[4]	0.10[4]	0.10[4]
~~*Automatic continuous daylight dimming* in *primary sidelighted areas* when *sidelighting effective aperture* is greater than 0.15 and when *primary sidelighted area* is less than 250 ft^2~~	~~0.20[4]~~	~~0.20[4]~~	~~0.20[4]~~	~~0.20[4]~~	~~0.20[4]~~
~~*Automatic continuous daylight dimming* in *primary sidelighted areas* when *sidelighting effective aperture* is greater than 0.15 and when *primary sidelighted area* is greater than 250 ft^2~~	~~0.10[4]~~	~~0.10[4]~~	~~0.10[4]~~	~~0.10[4]~~	~~0.10[4]~~
~~*Automatic continuous daylight dimming* in *secondary sidelighted areas* when *sidelighting effective aperture* is greater than 0.3~~	~~0.10[4]~~	~~0.10[4]~~	~~0.10[4]~~	~~0.10[4]~~	~~0.10[4]~~
Automatic continuous daylight dimming in *daylight areas under skylights* ~~when the total of those areas is less than 900 ft^2~~ when the controlled watts are less than 120W and when the skylight *visible transmittance* (*VT*) is greater than 0.4	0.20	0.20	0.20	0.20	0.20
~~*Automatic continuous daylight dimming* in *daylight areas under skylights* when the total of those areas is greater than 900 ft^2 and when *skylight effective aperture* is greater than 0.01~~	~~0.10~~	~~0.10~~	~~0.10~~	~~0.10~~	~~0.10~~

[1]These control factors may only be used if the requirements of section 9.4.1.2 are met using an *occupancy sensor*.

[2] Control factor is limited to the wattage of workstation-specific luminaires in partitioned single occupant workspaces contained within an open office environment (i.e. direct-indirect luminaires with separately controlled downlight and uplight components, with the downward component providing illumination to a single occupant in an open plan workstation). Within 30 minutes of the occupant leaving the space, the downward component shall continuously dim to off over a minimum of 2 minutes. Upon the occupant entering the space, the downward component shall turn on at the minimum level and continuously raise the illumination to a preset level over a minimum of 30 seconds. The uplight component of workstation specific luminaire shall comply with section 9.4.1.1 (*automatic* shutoff).

[3] In addition to the requirements described in footnote 2, the control shall allow the occupant to select their preferred light level via a personal computer, handheld device, or similarly accessible device located within the workstation.

[4]Control factors may not be used if controls are used to satisfy exceptions to Section 5.5.4.2.3

BSR/ASHRAE/IES Addendum az
to ANSI/ASHRAE/IES Standard 90.1-2010

Public Review Draft

Proposed Addendum az to Standard 90.1-2010, *Energy Standard for Buildings Except Low-Rise Residential Buildings*

First Public Review (July/2012)
(Draft shows Proposed Changes to Current Standard)

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This standard is under continuous maintenance. To propose a change to the current standard, use the change submittal form available on the ASHRAE website, www.ashrae.org.

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ASHRAE, 1791 Tullie Circle, NE, Atlanta GA 30329-2305

(This foreword is not part of this standard. It is merely informative and does not contain requirements necessary for conformance to the standard. It has not been processed according to the ANSI requirements for a standard and may contain material that has not been subject to public review or a consensus process. Unresolved objectors on informative material are not offered the right to appeal at ASHRAE or ANSI.)

FOREWORD

Evaporatively cooled heat rejection devices are a key part of the most efficient cooling systems on the market. An increase in the minimum efficiency of open circuit axial fan cooling towers from the current 38.2 gpm/HP to 40.2 gpm/HP (at the rated condition of 95°F entering water temperature, 85°F leaving water temperature, and 75°F entering wet bulb temperature) is proposed to further increase the overall system efficiency. Such an increase will remove many of the lower efficiency models off of the market without unnecessarily causing market shifts due to first cost pressures in the absence of a limitation on the use of lower efficiency systems in the Standard.

In addition, a note has been added to Table 6.8.1G clarifying that the required minimum efficiency rating for <u>all</u> types of cooling towers (open, closed, axial fan, and centrifugal fan) applies to models with options and accessories that affect the thermal performance of the unit, not just the base model. This requirement complies with the Cooling Technology Institute's STD-201, which states that a base model with options and / or accessories that affect thermal performance are classified as a separate model for rating and certification purposes. For instance, a base tower model equipped with a low sound fan that has a derate of 2% from the base model equipped with a standard fan must still meet the minimum efficiency listed in Table 6.8.1.G even when the reduced thermal capacity is taken into account. This new note will clarify this requirement for users of the Standard and will result in additional energy savings by eliminating the use of those models whose base configuration may meet the minimum efficiency requirement listed in Table 6.8.1G, but the rating falls below the required minimum efficiency when rated with the thermal effect of options and accessories required for a specific project.

Lastly, a note clarifying that the certification requirements do not apply to field erected cooling towers was added to footnote "e".

Note that this proposal has received the unanimous support of ASHRAE TC08.06, Cooling Towers and Evaporative Condensers.

Note: In this addendum, changes to the current standard are indicated in the text by underlining (for additions) and strikethrough (for deletions) unless the instructions specifically mention some other means of indicating the changes. Only these changes are open for review and comment at this time. Additional material is provided for context only and is not open for comment except as it relates to the proposed substantive changes.

BSR/ASHRAE/IES Addendum az to ANSI/ASHRAE/IESNA Standard 90.1-2010, *Energy Standard for Buildings Except Low-Rise Residential Buildings*
First Public Review Draft

Addendum az to 90.1-2010

Revise the Standard as follows (I-P units):

TABLE 6.8.1G Performance Requirements for Heat Rejection Equipment

Equipment Type	Total System Heat Rejection Capacity at Rated Conditions	Subcategory or Rating Condition	Performance Required[a,b,c,d,f]	Test Procedure[e]
Propeller or axial fan open-circuit cooling towers	All	95°F entering water 85°F leaving water 75°F *entering wb*	≥~~38.2~~ 40.2 gpm/hp	CTI ATC-105 and CTI STD-201
Centrifugal fan open-circuit cooling towers	All	95°F entering water 85°F leaving water 75°F *entering wb*	≥20.0 gpm/hp	CTI ATC-105 and CTI STD-201
Propeller or axial fan closed-circuit cooling towers	All	102°F entering water 90°F leaving water 75°F *entering wb*	≥14.0 gpm/hp	CTI ATC-105S and CTI STD-201
Centrifugal closed-circuit cooling towers	All	102°F entering water 90°F leaving water 75°F *entering wb*	≥7.0 gpm/hp	CTI ATC-105S and CTI STD-201
Air-cooled condensers	All	125°F condensing temperature R-22 test fluid 190°F entering gas temperature 15°F subcooling 95°F *entering db*	≥176,000 Btu/h·hp	AHRI 460

[a] For purposes of this table, *open-circuit cooling tower* performance is defined as the water flow rating of the tower at the thermal rating condition listed in Table 6.8.1G divided by the fan motor nameplate power.

[b] For purposes of this table, *closed-circuit cooling tower performance* is defined as the process water flow rating of the tower at the thermal rating condition listed in Table 6.8.1G divided by the sum of the fan motor nameplate power and the integral spray pump motor nameplate power.

[c] For purposes of this table, *air-cooled condenser performance* is defined as the heat rejected from the refrigerant divided by the fan motor nameplate power.

[d] Section 12 contains a complete specification of the referenced test procedure, including the referenced year version of the test procedure.

[e] The efficiencies and test procedures for both *open-* and *closed-circuit cooling towers* are not applicable to hybrid cooling towers that contain a combination of separate wet and dry heat exchange sections. The certification requirements do not apply to field erected cooling towers.

[f] All cooling towers shall comply with the minimum efficiency listed in the table for that specific type of tower with the capacity effect of any project specific accessories and / or options included in the capacity of the cooling tower.

BSR/ASHRAE/IES Addendum az to ANSI/ASHRAE/IESNA Standard 90.1-2010, *Energy Standard for Buildings Except Low-Rise Residential Buildings*
First Public Review Draft

Revise the Standard as follows (S-I units):

TABLE 6.8.1G Performance Requirements for Heat Rejection Equipment

Equipment Type	Total System Heat Rejection Capacity at Rated Conditions	Subcategory or Rating Condition	Performance Required[a,b,c,d,f]	Test Procedure[e]
Propeller or axial fan open-circuit cooling towers	All	35°C Entering Water 29°C Leaving	≥~~3.23~~ 3.40 L/s·kW	CTI ATC-105 and CTI STD-201
Centrifugal fan open-circuit cooling towers	All	35°C Entering Water 29°C Leaving	≥1.70 L/s·kW	CTI ATC-105 and CTI STD-201
Propeller or axial fan closed-circuit cooling towers	All	39°C Entering Water 32°C Leaving	≥1.18 L/s·kW	CTI ATC-105S and CTI STD-201
Centrifugal closed-circuit cooling towers	All	39°C Entering Water 32°C Leaving	≥0.59 L/s·kW	CTI ATC-105S and CTI STD-201
Air-cooled condensers	All	52°C Condensing Temperature R-22 Test Fluid 88°C Entering Gas Temperature 8°C Subcooling 35°C Entering db	≥69 COP	AHRI 460

[a] For purposes of this table, *open-circuit cooling tower* performance is defined as the water flow rating of the tower at the thermal rating condition listed in Table 6.8.1G divided by the fan motor nameplate power.

[b] For purposes of this table, *closed-circuit cooling tower performance* is defined as the process water flow rating of the tower at the thermal rating condition listed in Table 6.8.1G divided by the sum of the fan motor nameplate power and the integral spray pump motor nameplate power.

[c] For purposes of this table, *air-cooled condenser performance* is defined as the heat rejected from the refrigerant divided by the fan motor nameplate power.

[d] Section 12 contains a complete specification of the referenced test procedure, including the referenced year version of the test procedure.

[e] The efficiencies and test procedures for both *open-* and *closed-circuit cooling towers* are not applicable to hybrid cooling towers that contain a combination of separate wet and dry heat exchange sections. The certification requirements do not apply to field erected cooling towers.

[f] All cooling towers shall comply with the minimum efficiency listed in the table for that specific type of tower with the capacity effect of any project specific accessories and / or options included in the capacity of the cooling tower.

BSR/ASHRAE/IES Addendum ba
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FOREWORD

When a space with operable windows has non-integrated mechanical heating and cooling, it is likely that annual HVAC energy will be increased when compared to the same space without operable windows. This can be attributed to operable windows being left open when conditions are not favorable, resulting in high infiltration loads on the HVAC system. There are many reasons why windows are opened when conditions are not favorable:

1. *Occupant wants more fresh air and is inconsiderate or unaware of the energy penalty of opening the window when indoor/outdoor conditions are not favorable. This is particularly likely when the HVAC system has sufficient capacity to maintain the space indoor temperature at setpoint despite the increased infiltration load.*

2. *Occupant does not have sufficient information regarding the indoor air temperature, outdoor air temperature, or HVAC mode of operation to properly determine if opening the window will reduce or increase energy use.*

3. *Occupant opened the window during favorable conditions, but left the room while the window was open. During their time away from the space, the conditions transitioned to unfavorable.*

The intent of this measure is to reduce unnecessary use of energy for heating or cooling of additional un-tempered air if an operable window is left open outside of times when it is beneficial to leave it open. This is accomplished with a simple mechanical switch that integrates the HVAC system operation with operable window position.

Note: In this addendum, changes to the current standard are indicated in the text by underlining (for additions) and strikethrough (for deletions) unless the instructions specifically mention some other means of indicating the changes. Only these changes are open for review and comment at this time. Additional material is provided for context only and is not open for comment except as it relates to the proposed substantive changes.

Addendum ba to 90.1-2010

Revise the Standard as follows

6.3.2 Criteria

r. The system complies with the window switch requirements in section 6.5.10.

6.5.10 Window Switches. Any conditioned space with operable wall or roof openings to the outdoors shall be provided with controls that, when any such opening is open:

1. Disable mechanical heating or reset the heating set point to 55°F (13°C) or lower.
2. Disable mechanical cooling or reset the cooling set point to 90°F (35°C) or greater. Mechanical cooling may remain enabled if outside air temperature is below space temperature.

Exceptions:

a. Building entries with automatic closing devices
b. Any space without a thermostat
c. Alterations to existing buildings

BSR/ASHRAE/IES Addendum bc
to ANSI/ASHRAE/IES Standard 90.1-2010

Public Review Draft

Proposed Addendum bc to Standard 90.1-2010, *Energy Standard for Buildings Except Low-Rise Residential Buildings*

First Public Review (July/2012)
(Draft shows Proposed Changes to Current Standard)

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ASHRAE, 1791 Tullie Circle, NE, Atlanta GA 30329-2305

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FOREWORD

These revisions introduce automatic lighting control to guestroom type spaces for additional energy savings and allow captive key systems that provide similar savings control to also comply.

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Addendum bc to 90.1-2010

Revise the Standard as follows

9.4.1.6 Additional Control. Additional controls shall meet the following requirements:

c. *Guest Room Lighting* – Lighting and switched receptacles in guestrooms and suites ~~Guestrooms~~ in hotels, motels, boarding houses or similar buildings shall be automatically controlled such that the power to the lighting and switched receptacles will be turned off within 20 minutes after all occupants leave the room ~~have one or more control device(s) at the entry door that collectively control all permanently installed luminaires and switched receptacles, except those the lighting in the bathroom(s). at the entry to each room or at the primary entry to the suite~~. Bathrooms shall have a separate control device installed to automatically turn off the bathroom lighting, except for night lighting not exceeding 5 watts, within 60 minutes of the occupant leaving the space.~~"~~

Exception: Lighting and switched receptacles controlled by captive key systems.

BSR/ASHRAE/IES Addendum bd
to ANSI/ASHRAE/IES Standard 90.1-2010

Public Review Draft

Proposed Addendum bd to Standard 90.1-2010, *Energy Standard for Buildings Except Low-Rise Residential Buildings*

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FOREWORD

These revisions add more specific requirements to the functional testing of lighting controls for the common controls required by the standard and adds some clarification to the description of entities allowed to perform the testing and verification.

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Addendum bd to 90.1-2010

Revise the Standard as follows

9.4.4 Functional Testing.

Lighting control devices and control *system*s shall be tested, to ensure that control hardware and software are calibrated, adjusted, programmed, and in proper working condition in accordance with the construction documents and manufacturer's installation instructions. The requirement for functional testing shall be stated in construction documents. When *occupant sensor*s, time switches, programmable schedule controls, or *photosensor*s are installed, at a minimum, the following procedures shall be performed:

a. *Occupant Sensors*:

- Certify that the sensor has been located and aimed in accordance with manufacturer recommendations
- For projects with up to seven (7) occupancy sensors, all occupancy sensors shall be tested.
- For projects with more than seven (7) occupancy sensors, testing shall be done for each unique combination of sensor type and space geometry.
    - For each sensor to be tested, verify the following:
        - Status indicator (as applicable) operates correctly
        - the controlled lights turn off or down to the permitted level within the required time,
        - for auto-on occupant sensors, the lights do turn on to the permitted level when someone enters the space,
        - for manual on sensors, the lights turn on only when manually activated
        - the lights are not incorrectly turned on by movement in near by areas or by HVAC operation.

b. Automatic Time Switches:

- Confirm that the automatic time switch control is programmed with appropriate weekday, weekend, and holiday (as applicable) schedules.

- Document for the owner automatic time switch programming including weekday, weekend, holiday schedules as well as all set-up and preference program settings.
- Verify the correct time and date is properly set in the time switch.
- Verify that any battery back-up (as applicable) is installed and energized.
- Verify that the override time limit is set to no more than 2 hours.
- Simulate occupied condition. Verify and document the following:
  - All lights can be turned on and off by their respective area control switch.
  - Verify the switch only operates lighting in the enclosed space in which the switch is located.
- Simulate unoccupied condition. Verify and document the following:
  - All non-exempt lighting turns off
  - Manual override switch allows only the lights in the enclosed space where the override switch is located to turn on or remain on until the next scheduled shut off occurs.

c. Daylight Controls:

- All control devices (photocontrols) have been properly located, field-calibrated and set for appropriate set points and threshold light levels.
- Daylight controlled lighting loads adjust to appropriate light levels in response to available daylight
- The location where calibration adjustments are made is readily accessible only to authorized personnel.

~~a. Confirm that the placement, sensitivity and time-out adjustments for *occupant sensors* yield acceptable performance, lights turn off only after space is vacated and do not turn on unless space is occupied.~~
~~b. Confirm that the time switches and programmable schedule controls are programmed to turn the lights off.~~
~~c. Confirm that *photosensor* controls reduce electric light levels based on the amount of usable daylight in the space as specified.~~

~~The construction documents shall state the party who will conduct and certify the functional testing.~~ The ~~party~~ individual(s) responsible for the functional testing, shall not be directly involved in either the design or construction of the project and shall provide documentation certifying that the installed lighting controls meet or exceed all documented performance criteria. ~~Certification shall be specific enough to verify conformance.~~

BSR/ASHRAE/IES Addendum be
to ANSI/ASHRAE/IES Standard 90.1-2010

Public Review Draft

Proposed Addendum be to Standard 90.1-2010, *Energy Standard for Buildings Except Low-Rise Residential Buildings*

First Public Review (July/2012)
(Draft shows Proposed Changes to Current Standard)

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FOREWORD

Minor changes to ensure the intended scope of the lighting section.

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Addendum be to 90.1-2010

Revise the Standard as follows

9.7 Submittals

……..

9.7.2.2 Manuals. Construction documents shall require for all lighting *equipment* and lighting controls, an operating and maintenance manual be provided to the building owner or the designated representative of the building owner within 90 days after the date of *system* acceptance. These manuals shall include, at a minimum, the following:

a. Submittal data indicating all selected options for each piece of lighting *equipment*, including but not limited to lamps, ballasts, drivers, and lighting controls.
b. Operation and maintenance manuals for each piece of lighting *equipment* and lighting controls with routine maintenance clearly identified including, as a minimum, a recommended relamping/cleaning program and a schedule for inspecting and recalibrating all lighting controls.
c. A complete narrative of how each lighting control *system* is intended to operate including recommended settings.

BSR/ASHRAE/IES Addendum bf
to ANSI/ASHRAE/IES Standard 90.1-2010

Public Review Draft

Proposed Addendum bf to Standard 90.1-2010, *Energy Standard for Buildings Except Low-Rise Residential Buildings*

First Public Review (July/2012)
(Draft shows Proposed Changes to Current Standard)

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FOREWORD

These revisions:

- *Increase the spaces where plug shutoff control is required*
- *Clarifies the application of the requirement to furniture systems*
- *states a labeling requirement*
- *restricts the use of non-permanent equipment*

.

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Addendum bf to 90.1-2010

Revise the Standard as follows (IP and SI Units)

8.4.2 Automatic Receptacle Control. The following shall be automatically controlled:

At least 50% of all 125 volt 15- and 20-Ampere receptacles in all private offices, conference rooms, rooms used primarily for printing and/or copying functions, break rooms, classrooms and individual workstations and

- At least 25% of branch circuit feeders installed for modular furniture not shown on the construction documents. ~~, including those installed in modular partitions, installed in the following space types:~~

~~a. Private offices~~
~~b. Open offices~~
~~c. Computer Classrooms~~

~~shall be controlled by an automatic control device that shall function on:~~

This control shall function on:

a. a scheduled basis using a time-of-day operated control device that turns receptacles off at specific programmed times—an independent program schedule shall be provided for controlled areas of no more

than ~~2~~5,000 ft^2 (465 m^2)~~but~~ and not more than one floor, (the occupant shall be able to manually override the control device for up to two hours) or

b. an occupant sensor that shall turn receptacles off within ~~30~~ 20 minutes of all occupants leaving a space, or

c. ~~a~~ an automated signal from another control or alarm system that shall turn receptacles off within 20 minutes after determining that the area is unoccupied ~~indicates the area is unoccupied.~~

All controlled receptacles shall be permanently marked to visually differentiate them from uncontrolled receptacles and are to be uniformly distributed throughout the space.

Plug-in devices shall not be used to comply with section 8.4.2.

Exceptions: Receptacles for the following shall not require an automatic control device:

a. Receptacles specifically designated for equipment requiring continuous operation (24 hours/day, 365 days/year) ~~24 hour operation~~.
b. Spaces where an automatic ~~shutoff~~ control would endanger the safety or security of the room or building occupant(s).

BSR/ASHRAE/IES Addendum dm
to ANSI/ASHRAE/IES Standard 90.1-2010

Public Review Draft

Proposed Addendum dm to Standard 90.1-2010, *Energy Standard for Buildings Except Low-Rise Residential Buildings*

Second Public Review (July 2012)
(Draft shows Proposed Independent Substantive Changes to Previous Public Review Draft)

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BSR/ASHRAE/IES Addendum dm to ANSI/ASHRAE/IESNA Standard 90.1-2010, *Energy Standard for Buildings Except Low-Rise Residential Buildings*
Second Public Review Draft (Independent Substantive Change Public Review)

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FOREWORD

The addendum adds a size limit for vestibules in large buildings; additionally exemptions are added for semi-heated spaces and for elevators in parking garages provided that they have a lobby.

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Addendum dm to 90.1-2010

Revise the Standard as follows (SI and I-P units)

5.4.3.4 Vestibules. Building entrances that separate conditioned space from the exterior shall be protected with an enclosed vestibule, with all doors opening into and out of the vestibule equipped with self-closing devices. Vestibules shall be designed so that in passing through the vestibule it is not necessary for the interior and exterior doors to open at the same time. Interior and exterior doors shall have a minimum distance between them of not less than 7 ft (2.1m) when in the closed position. The floor area of each vestibule shall not exceed the greater of 50 ft^2 (5 m^2) or 2% of the *gross conditioned floor area* for that level of the building. The exterior envelope of conditioned vestibules shall comply with the requirements for a conditioned space. Either the interior or exterior envelope of unconditioned vestibules shall comply with the requirements for a conditioned space.

EXCEPTIONS:

a. *Building entrances* with revolving *doors.*
b. Doors not intended to be used as a *building entrance*.
c. *Doors* opening directly from a *dwelling unit.*
d. *Building entrances* in buildings located in climate zone 1 or 2.
e. *Building entrances* in buildings that are: located in climate zone 3, ~~that are~~ less than four stories above grade, and less than 10,000 ft^2 (1,000 m^2) in *gross conditioned floor* area.
f. *Building entrances* in buildings that are located in climate zone 4, 5, 6, 7, or 8 and ~~that are~~ less than 1,000 ft^2 (100 m^2) in *gross conditioned floor* area.
g. Doors that open directly from a space that is less than 3,000 ft^2 in *gross conditioned floor* area and is separate from the *building entrance*.
h. *Semiheated spaces*.
i. Enclosed elevator lobbies for *building entrances* directly from parking garages.

5.4.3.4.1. Where vestibules are required under 5.4.3.4, for spaces having a *gross conditioned floor area* for that level of the building of 40,000 ft² (4,000 m2) and greater and when the doors opening into and out of the vestibule are equipped with automatic, electrically-driven, self-closing devices, the interior and exterior doors shall have a minimum distance between them of not less than 16 ft (4.8m).

BSR/ASHRAE/IES Addendum u
to ANSI/ASHRAE/IES Standard 90.1-2010

Public Review Draft

Proposed Addendum u to Standard 90.1-2010, *Energy Standard for Buildings Except Low-Rise Residential Buildings*

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FOREWORD

Fan power limits have been in the standard for some time. These limits place restrictions on the design of systems and the amount of fan energy utilized. However the standard has not had a requirement for a minimum fan efficiency. In working with TC 5.1 (Fan TC), a fan efficiency metric was developed with fans being classified based on fan efficiency grades. This system is designated in AMCA 205-12, which this addendum is based on.

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Addendum u to 90.1-2010

Revise the Standard as follows

New Chapter 3 Definitions:

Fan Efficiency Grade (FEG): the fan efficiency without consideration of drives as defined in AMCA 205.

Power Roof/Wall Ventilators (PRV): A fan consisting of a centrifugal or axial impeller with an integral driver in a weather-resistant housing and with a base designed to fit, usually by means of a curb, over a wall or roof opening.

IP - Version

6.5.3.1 Fan System Power and Efficiency ~~Limitation~~

6.5.3.1.3 Fan Efficiency. Fans shall have a *Fan Efficiency Grade* (FEG) of 67 or higher based on manufacturers' certified data, as defined by AMCA 205. The total efficiency of the fan at the design point of operation shall be within 15 percentage points of the maximum total efficiency of the fan.

Exceptions:

a. Single fans with a motor *nameplate horsepower* of 5 hp or less
b. Multiple fans in series or parallel (eg. fan arrays) that have a combined motor *nameplate horsepower* of 5 hp (4kW) or less and are operated as the functional equivalent of a single fan.

c. Fans that are part of equipment listed under 6.4.1.1 Minimum Equipment Efficiencies – Listed Equipment – Standard Rating and Operating Conditions.
d. Fans included in equipment bearing a third-party-certified seal for air or energy performance of the equipment package.
e. *Powered wall/roof ventilators (PRV)*
f. Fans outside the scope of AMCA 205.
g. Fans that are intended to only operate during emergency conditions.

12. Normative References

AMCA 205-12 Energy Efficiency Classification for Fans

ASME PALD-20XX

Proposed Revision of ASME PALD-2009

Safety Standard for Portable Automotive Lifting Devices

Revise Paragraph 8-2.4 to read:

"8-2.4 Proof Load

Wheel dollies shall be capable of performing the proof load test of para. 8-4.1.2 with a proof load of 150% of rated capacity."

BSR/UL 73, Standard for Motor-Operated Appliances

1. New requirements for insect and rodent control appliances which generate ultraviolet (UV) radiation.

1 Scope

1.7 Insect and rodent-control equipment generating ultraviolet (UV) radiation are intended for use in accordance with the Code of Federal Regulations, the Performance Standards for Light-Emitting Products, 21 CFR, Part 1040, Chapter 1, Subchapter J.

7 Frame and Enclosure

7.17 Polymeric enclosure and insulating materials, internal wiring, and other polymeric component parts shall be acceptably resistant to degradation when exposed to ultraviolet light, if degradation of the part would result in non-compliance with other requirements of this Standard. To determine whether a part is acceptably resistant to ultraviolet light, the part shall be subjected to the Ultraviolet Light Exposure Test specified in the Standard for Polymeric Materials - Use in Electrical Equipment Evaluations, UL 746C.

21A Lamps that Emit Ultraviolet (UV) Radiation

21A.1 Insect and rodent-control equipment shall not employ lamps which emit ultraviolet (UV) radiation generating wavelengths less than 250 nm.

41A Protection from Overexposure to Ultraviolet (UV) Radiation

41A.1 Insect and rodent-control equipment shall be investigated for emission of ultraviolet (UV) radiation in accordance with the Ultraviolet Irradiance Test, Section 66A. The emission of UV shall not exceed an effective irradiance value of 0.1 $\mu W/cm^2$.

Exception No. 1: Products generating UV exceeding 0.1 $\mu W/cm^2$ in user accessible lamp compartments during relamping are acceptable if the product lamp cannot be operated with the lamp compartment opened and the product is marked in accordance with 70.11.2.

Exception No. 2: Products provided with the marking of 70.11.5 may generate UV exceeding 0.1 $\mu W/cm^2$ when measured at the equipment as long as the measured value at the specified installation distance does not exceed 0.1 $\mu W/cm^2$.

41A.2 Interlocks used to minimize risk of overexposure to ultraviolet (UV) radiation shall be reliable, see 41A.3. The actuator of an interlock shall be located so the unintentional operation is unlikely and it is not able to be defeated with the articulated probe of Figure 11.1.

41A.3 An interlock that is required to reduce a risk of overexposure to ultraviolet (UV) radiation shall withstand 100,000 cycles of operation controlling a load not less than that controlled in the product, and shall function normally upon completion of the test.

PERFORMANCE

66A Ultraviolet Irradiance Test

66A.1 Emissions of ultraviolet (UV) radiation from the Insect and rodent-control equipment shall be evaluated in accordance with the American Conference of Governmental Industrial Hygienists (ACGIH) Threshold Limit Values and Biological Indices.

66A.2 Testing shall be performed in the condition(s) most likely to result in the highest emission levels, including removal or adjustment of guards or operating settings. The test shall be performed using a new lamp, or integral radiation source, representative of the maximum emission capability, including user replacement parts. The measurement device shall be placed as close as possible to the radiation source to represent the user's body taking into account the installation and location of the equipment. Equipment employing the marking of 70.11.5 shall have measurements taken as close to the equipment as possible and at the distance specified in the marking.

66A.3 For insect and rodent-control equipment that employ enclosures, guards and similar protective features to minimize the risk of overexposure to ultraviolet radiation, these parts shall be resistant to degradation from mechanical abuse. After subjecting the protective features to the Strain-Relief Test, Section 53, and if applicable, the Resistance to Impact, Section 22 and the Mold-Stress-Relief Distortion, Section 29 of the Standard for Polymeric Materials - Use in Electrical Equipment Evaluations, UL 746C, the protective features shall be visually examined. If visual examination indicates that the protection afforded by the protective feature may be impaired, irradiance measurements shall be repeated. A different sample may be used for each mechanical abuse/irradiance test sequence.

66A.4 For insect and rodent-control equipment that may emit different levels of ultraviolet (UV) radiation under use and service conditions, both conditions shall be considered in the irradiance measurements.

66A.5 Instrumentation used for the radiation measurements shall be suitable for the measuring of emissions of the radiation source and frequencies. These measurements should only be performed by people trained to make proper optical radiation measurements and follow good laboratory practices which can be found in documents such as the Recommended Practice for Photobiological Safety for Lamps and Lamp Systems - General Requirements, ANSI/IESNA RP-27.1 and the Standard for Photobiological Safety of Lamps and Lamp Systems, IEC 62471.

MARKING

70 Detail

70.11 Markings for insect and rodent-control equipment which emit ultraviolet (UV) radiation

70.11.1 Insect and rodent-control equipment which generate ultraviolet (UV) radiation shall be marked in accordance with the Recommended Practice for Photobiological Safety for Lamps - Risk Group Classification and Labeling, ANSI/IESNA RP-27.3.

70.11.2 A compartment that contains a user replaceable lamp that produces ultraviolet (UV) radiation in excess of 66A.1 shall be marked with the word "WARNING" and the following or equivalent: "Skin or eye damage may result from directly viewing the light produced by the lamp in this apparatus. Always turn off the lamp before opening this cover." The marking shall be located where readily visible during any approach to the lamp compartment.

70.11.3 Markings shall indicate to the user the proper method of lamp replacement. For user replaceable lamps, the permitted replacement lamps by manufacturer and part number shall be specified. Lamps intended for service replacement only shall be clearly marked to indicate the need for equipment with servicing.

70.11.4 Insect and rodent-control equipment which emit ultraviolet (UV) radiation incorporating an interlock to reduce the risk of overexposure shall be marked with the word "WARNING" and the following or equivalent: "This cover is provided with an interlock to reduce the risk of excessive Ultraviolet (UV) Radiation. Do not defeat its purpose or attempt to service without removing cover completely." The marking shall be located where readily visible during any approach to defeat the interlock.

70.11.5 Insect and rodent-control equipment intended for permanent installation or mounted in a dedicated area such as the wall of a building structure which emit ultraviolet (UV) radiation in excess of

66A.1 when measured at the lamp but which comply with the 0.1 µW/cm^2 limit when measured at the specified installation instruction distance shall be provided with the following or equivalent marking: "CAUTION - Risk of UV exposure. Ensure product is installed to ensure no person is likely to be within X distance of the unit while illuminated." X is to be the minimum distance to ensure the emissions of ultraviolet (UV) radiation is less than 0.1 µW/cm^2.

70.11.6 The markings specified in 70.11.1 - 70.11.5 shall be permanent, in letters no less than 3/32-in (2.4-mm) high, and shall be located on a part that cannot be removed without impairing the operation of the product or left off without being readily apparent.

INSTRUCTION MANUAL

75A Instructions for Insect and Rodent-Control Equipment Generating Ultraviolet Radiation

75A.1 The instruction shall contain the manufacturer's declaration of conformity to the appliance provisions of applicable US Federal requirements, including the Performance Standards for Light-Emitting Products, 21 CFR, Part 1040, Chapter 1, Subchapter J, Radiological Health.

75A.2 Markings of Section 70.11 related to minimizing the risk of user overexposure to ultraviolet (UV) radiation shall be repeated under Important Safety Instructions.

75A.3 Equipment with ultraviolet (UV) radiation levels under servicing conditions exceeding the effective irradiance level of 0.1 µW/cm^2 shall be provided with instructions indicating the need for all servicing to be performed by qualified service personnel.

75A.4 The instructions required in 75A.1 - 75A.3 shall not be less than 1/8-in (3.2-mm) high in text and shall be included with the other safety instructions as required by 71.1.

PROPOSAL FOR UL 94

7.1.5 A material tested and classified HB at a minimum thickness less than 3.0 mm shall be classified HB up to 3.0 mm maximum thickness without additional testing. Alternately, a material tested and classified HB at a minimum thickness of 3.0 mm or greater shall be classified HB up to 13.0 mm maximum thickness without additional testing.

BSR/UL 174, Standard for Safety for Household Electric Storage Tank Water Heaters

1. Revisions to New Supplement B to Document the Safety Requirements for Smart Enabled Household Electric Storage Tank Water Heaters

PROPOSAL

SB2.6 A communication or display device, such as a router or monitor, provided as an accessory (not standard/integral equipment with the water heater) for use with the appliance, shall comply with the Standard for Information Technology Equipment Safety - Part 1: General Requirements, UL 60950-1.

SB2.11 Grounding connections for external communication or display devices shall be made before power connections and shall break only after power connections are broken ("make first, break last").

Exception: Does not apply to external communication devices designed to not require external grounding.

SB3.1 Controls actuated in response to external communication signals or data shall not introduce a hazardous operating condition or state that may lead to a hazardous operating condition.

With respect to SB3.1, the control shall not:

a) Render inoperative any protective control or control function within the appliance;

b) Alter the response or expected performance of hazardous electrical, moving or hot parts to user actuation of controls, movement of doors, covers or lids or contact with external and functional surfaces of the appliance;

Exception: If the altered response or performance does not introduce a hazardous condition (e.g. no rise in water temperature), this requirement is not applicable.

c) Enable any functionality in the appliance that is not available via the user-operated controls;

d) Automatically override the water temperature setpoint ~~beyond~~ above the value selected by the consumer;

e) Cause any water heater temperature display to provide a reading that differs by ±10℉ (±5.6℃) of the actual (measured) water temperature , once equilibrium temperatures have been achieved;

f) Alter the order of appliance control response (e.g. force the water heater to cycle on the Temperature Limiting Control); or

g) Supersede the response of any protective control, such as the Temperature Limiting Control.

Table SB2

Protective control evaluation

Application of UL 991 and UL 1998	Application of UL 60730-1
Conduct a failure-mode and effect analysis (FMEA) for the protective circuits and functions identified in Functional Safety, Section SB3.	
A control becoming permanently inoperative and disconnecting power meets the criteria for mitigating the risk.	
Assumed temperature ranges are as follows:	
Indoor Use 0.0 ±2℃ (32.0 ±3.6℉) and 40.0 ±2℃ (10 4 ±3.6℉).	
Outdoor Use negative 35.0 ±2℃ (negative 31.0 ±3.6° F) and 40.0 ±2℃ (104 ±3.6℉).	
Cycling test duration shall be 14 days.	
Endurance test duration shall be 100,000 cycles.	
Radio-frequency electromagnetic field immunity:	
Immunity to conducted disturbances - When applicable test level 3 shall be used.	
Immunity to radiated electromagnetic fields - field strength of 3 V/m shall be used.	
For exposure to humidity, the following conditions shall apply:	
Indoor Use 21.1 - 26.7℃ (70 - 80℉) and minimum 50 percent relative humidity.	
Outdoor Use ~~minimum 98~~ 93 ±2 percent relative humidity.	
Electrical fast transient/burst immunity such that a test level 3 shall be used for all equipment other than outdoor use equipment. Test level 4 shall be used for outdoor use equipment.	
	Surge immunity test - Test with installation Class 3 used for other than outdoor use protective devices. Class 4 shall be used for protective devices intended for outdoor use.
	Electrostatic Discharge Test with a Severity Level of 3 having Contact Discharge at 6 kV to accessible metal parts and air discharge at 8 kV to accessible parts of insulating material.

PROPOSAL FOR UL 746A

32.2 Apparatus

32.2.1 The basic components of the test apparatus are to consist of the following:

a) Fixed Electrode - A copper rod that is 3.2 ±0.1 mm ~~(1/8 inch)~~ in diameter and has an overall length of approximately 152 mm ~~(6 inches)~~ is to be used. One end is to be machined to a symmetric chisel point having a total angle of 30 ±3 degrees. The radius of curvature for the chisel edge is not to exceed 0.1 mm ~~(0.004 inch)~~ at the start of a given test.

b) Movable Electrode - A No. 303 stainless steel rod that is 3.2 ±0.1 mm ~~(1/8 inch)~~ in diameter and has an overall length of approximately 152 mm ~~(6 inches)~~ is to be used. The end is to be machined to a symmetric conical point having a total angle of 60 ±3 degrees. The radius of curvature for the point is not to exceed 0.1 mm ~~(0.004 inch)~~ at the start of a given test.

c) Power Source - Power is to be supplied to the test electrodes from a 240-V a-c, 60 Hz high-capacity source. A series (inductive-resistive) air-core impedance is to be provided capable of supplying ~~to yield~~ a short-circuit current of 32.5 A and a power factor of 0.5.

d) Test Fixture - The test sample is to be clamped horizontally on a nonconductive, fire-resistant, and inert surface. Both electrodes are to be positioned at an angle of 45 ±2 degrees to the horizontal, in a common vertical plane, orthogonal to the axis of the sample. The chisel edge of the fixed electrode is to be horizontal and is to contact the sample throughout the test. Initially, the conical point of the movable electrode is to contact the chisel edge of the fixed electrode on the surface of the specimen. A mechanical means is to be provided to displace the movable electrode in both directions parallel to the axis of the electrode. The apparatus is to enable the electrodes to alternately make and break contact in close proximity to ~~at~~ the sample surface (see Figure 32.1). A spring-loaded pneumatic device is one means of achieving this action. A further means is to be provided for adjustment of both the timing of the electrode contact and the rate of electrode separation.

e) Controlling Relay - A relay is to be provided to trigger the electrode separation when the electrode current has reached 32.5 A.

f) Counter - An automatic counter is to be provided to record the number of cycles throughout a given test.

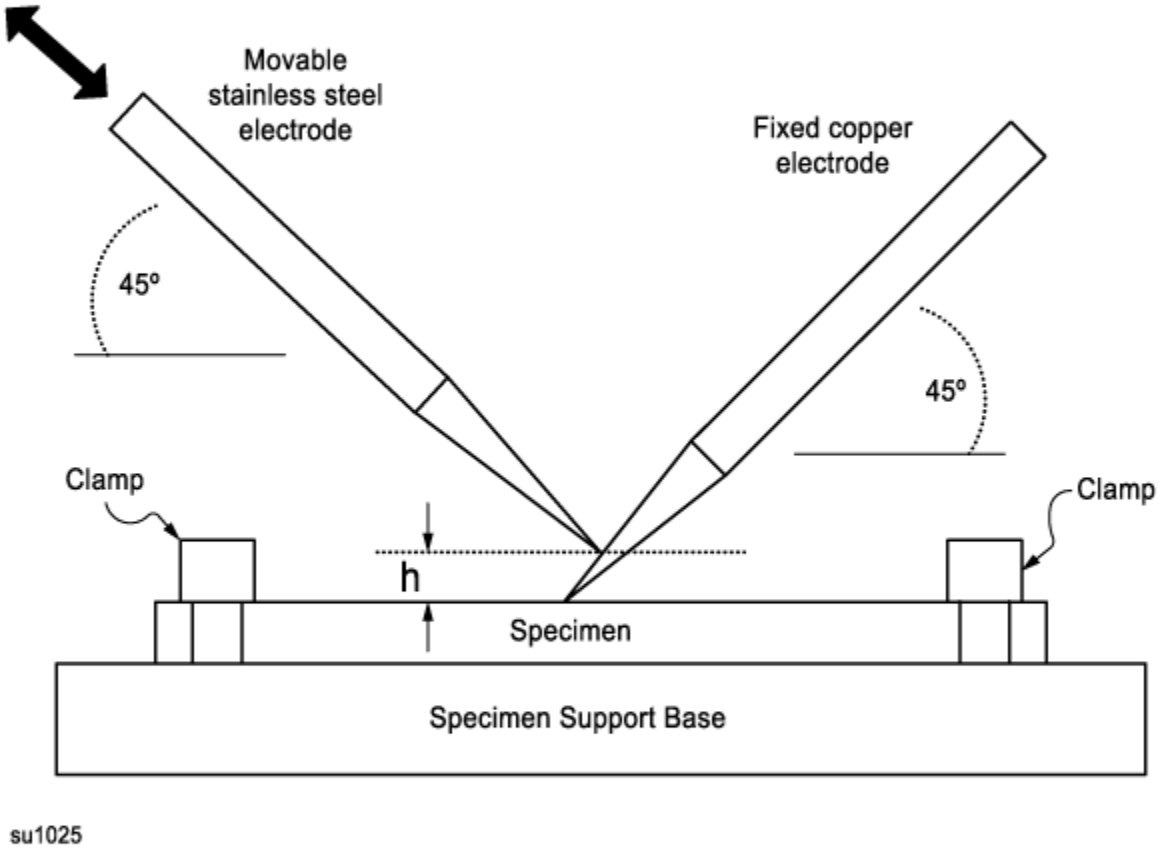

Figure 32.1 (New)

HAI Electrode Positioning

32.3 Specimen

32.3.1 ~~The test specimen is to consist of a bar sample measuring~~ Standard bar specimens are to be 13.0 mm ±0.5 mm wide by 125 mm ±5 mm long ~~(1/2 by 5 inches)~~ by the thickness to be tested. The maximum thickness is not to exceed 3.3 mm.

32.3.2 Specimens are to be tested following conditioning for a minimum of 48 hours at 23 ±2°C (73 ±4°F) and 50 ±10 percent relative humidity.

32.4 Test procedure

32.4.1 The test is to be conducted on five specimens. Each specimen, in turn, is to be clamped flat so that the longitudinal axis of the sample is normal to the common vertical plane of the electrodes. The fixed electrode is to be secured in place such that the chisel edge is in firm contact with the top surface of the specimen with sufficient force to ensure the electrode remains stationary during the test, but does not cause significant physical damage to the specimen. The point of contact of the fixed electrode is not to be less than 5 mm from any edge of the sample. ~~positioned with the electrodes making initial contact on the surface of the sample.~~ The moveable electrode is to be adjusted such that it contacts the fixed electrode between 0.75 to 1.00 mm (see "h" in Figure 32.1) above the surface of the specimen. The moveable electrode is then to be secured in position. The equipment is to be adjusted to provide a dwell time of 100 ±20 ms before electrode withdrawal breaks the circuit and the timing of the arcs is to be adjusted to a rate of 40 complete arcs per minute. The circuit is to be energized and the cyclic arcing started. ~~The timing of the arcs is to be adjusted to a rate of 40 complete arcs per minute. The rate of electrode separation is to be 254 ±25 mm per second (10 ±1 inch per second).~~ The test is to be continued until ignition of the sample occurs, a hole is burned through the sample, or until a total of 150 cycles has elapsed.

32.4.2 If ignition or a hole through any specimen occurs, an optional above surface test may be conducted. This optional test is conducted on an additional set of three samples tested with the electrodes making contact a maximum of 1.6 mm ~~(1/16 inch)~~ above the surface of the specimen. Should ignition or a hole occur within 150 cycles, an additional set of three samples may optionally be tested with the electrodes making contact a maximum of 3.2 mm ~~(1/8 inch)~~ above the surface of the specimen. A hole caused by the fixed electrode impinging on the sample or initiating a tear is to be excluded from the test results. Only holes caused by combusting of the sample, as a result of arcing, are to be recorded and included in the report.

32.4.3 (For reference only - no change) The following is to be recorded as applicable:

a) The number of arcs to cause ignition.

b) The number of arcs to cause a hole through the sample.

c) The maximum number of cycles, 150.

d) Observations regarding melting, charring, or the like.

32.5 Report

32.5.1 The report is to include each of the following items:

a) Complete identification of the material tested - including type, source, manufacturer's code number, and the like.

b) Testing-room conditions.

c) Number of specimens tested.

d) Thickness of the specimens tested.

e) Distance the electrodes were spaced above the top surface of the specimen during the test, if applicable.

f) Number of make and break cycles of operation completed when the test was terminated (either 150 cycles or the number of cycles to ignition).

g) Computation of the average number of arc exposures prior to ignition.

h) Observations concerning the condition of the specimen, arc path or the like, melting, erosion, carbonization, and the like. Holes created by arcing versus holes created by the copper electrode impinging on or ripping the sample are to be clearly defined on the observations.

PROPOSAL FOR UL 746B

10.1.4 The results of Tensile, Charpy or Izod Impact testing of standard specimens in either the nominal 3 mm or 4 mm thickness, as appropriate for the specified test method, can be considered representative of the testing of reduced thicknesses provided such reduced thicknesses have been evaluated for non-impact mechanical properties. The assigned relative thermal indices for impact properties in the reduced thicknesses shall be lowered by an offset equal to the corresponding lower offset, if any, of the relative thermal indices of the non-impact properties at the reduced thicknesses. Table 10.2 illustrates a hypothetical example of this offset. It is appropriate to consider temperature interval classification described in 21.1 while assigning the RTI-impact values at <3mm thickness.

10.1.5 The term Measured Relative Thermal Index (or Indices) represents the relative thermal index (or indices) of the material under investigation as determined by use of the relevant time-temperature plot without adjustments based on the application of the temperature interval classifications defined in 21.1. Table 10.3 illustrates a hypothetical example of this offset principle.

~~Table 10.2~~

~~Example of applying offset principle to assigning impact ratings~~

~~RTI~~			
~~Min. thick. (mm)~~	~~Elec~~	~~Imp~~	~~Str~~
~~0.75[c]~~	~~130[a]~~	~~75[b]~~	~~90[a]~~
~~1.5~~	~~130~~	~~80[b]~~	~~95[a]~~
~~3.0~~	~~130~~	~~90[a]~~	~~105[a]~~
~~[a] Thermal indices assigned based on actual testing at thicknesses.~~			
~~[b] Thermal indices assigned based on the results of testing the 3.0 mm or 4.0 mm thickness, reduced by the corresponding offsets of 105° - 95° = 10°C and 105° - 90° = 15°C for the 1.5 and 0.75 mm thicknesses respective ly.~~			
~~[c] Offset principle for impact ratings also applies to minimum thicknesses less than 0.75mm provided that they have been tested to Table 10.2 requirements.~~			

Table 10.3 (new)

Example of applying offset principle to assigning impact ratings

	Measured RTI			Assigned RTI considering the temperature interval classification		
Min. thick. (mm)	Elec	Imp	Str	Elec	Imp	Str
0.75[c]	245[a]	169[b]	231[a]	240[d]	160[d]	220[d]
1.5	245	171[b]	233[a]	240[d]	170[d]	220[d]
3.0	245	183[a]	245[a]	240[d]	180[d]	240[d]

[a] Measured Thermal Indices assigned based on actual testing at thicknesses.

[b] Measured Thermal Indices assigned based on the results of testing the 3.0 mm or 4.0 mm thickness, reduced by the corresponding offsets of 245℃ - 233℃ = 12℃ and 245℃ - 231℃ = 14℃ at 1.5 and 0.75 mm, respective ly.

[c] Offset principle for impact ratings also applies to minimum thicknesses less than 0.75 mm provided that they have been tested to Table 10.3 requirements.

[d] Relative Thermal Indices assigned for a given grade based on the Measured Thermal Indices at different thicknesses considering the temperature interval classification mentioned in 21.1.

PROPOSAL FOR UL 746C

57.2.2 Two sets of specimens are to be exposed. For twin enclosed carbon-arc, one set is to be exposed for a total of 360 hours and the second set for a total of 720 hours. For xenon-arc, one set is to be exposed for a total of 500 hours and the second set for a total of 1000 hours. After the test exposure, the specimens are to be removed from the test apparatus, examined for signs of deterioration such as crazing or cracking, and retained under conditions of ambient room temperature and atmospheric pressure for not less than 16 hours , nor more than ~~96~~ 168 hours, before being subjected to flammability and physical tests. For comparative purposes, specimens that have not been exposed to ultraviolet light and water are to be subjected to these tests at the same time that the final exposed specimens are tested.

BSR/UL 1313, Standard for Safety for Nonmetallic Safety Cans for Petroleum Products

1. Add colored container marking requirements to Marking, Section 31

PROPOSAL

31.3 At least 75% of the surface area of each container shall be color coded to properly identify the contents of the container as follows:

1) Blue shall represent kerosene,

2) Red shall represent gasoline, and

3) Yellow shall represent diesel.

2. Removal of the Newspaper-Fire-Exposure Test

PROPOSAL

~~**24 Newspaper-Fire-Exposure Test**~~

~~24.1 A can shall not leak when tested as described in 24.2.~~

~~24.2 Two samples are to be tested, one filled to one-quarter of nominal capacity and one filled to nominal capacity with ASTM Reference Fuel A. Two sheets of newspaper measuring approximately 24 by 30 inches (610 by 915 mm) are to be crumpled and wrapped closely around, but not under, each sample. The newspaper is then to be ignited in at least four places and permitted to burn completely. The composition of the reference fuel is to be as specified in the Standard Test Method for Rubber Property - Effect of Liquids, ASTM D471-1979.~~

3. Include additional information for the Heated-Rod Test apparatus

PROPOSAL

22.2 An empty can is to be placed in a room temperature of 23 ±2°C (73 ±4°F). A smooth carbon or stainless steel rod, 1/2 inch (12.7 mm) in diameter and 6 inches (152 mm) long, is to be heated to 260°C (500°F) ~~and~~ then immediately placed vertically on the ~~bottom~~ side of the ~~empty, inverted~~ can on the thinnest, smooth surface area that allows maximum conductive heat transfer and allowed to cool to room temperature. The procedure is then to be repeated, except with the rod ~~is then to be reheated,~~ placed on the ~~side~~ bottom of the can~~, and allowed to cool~~. Following the heated rod applications, ~~T~~the can is then to be pressurized to 5 psig (34 kPa) and checked under water for leakage, as evidenced by the formation of bubbles.

BSR/UL 2335, Standard for Safety for Fire Tests of Storage Pallets

1. Revisions to Clarify Requirements and Update Testing Details

4.1.2 The Commodity Storage Test shall be conducted using eight pallets of corrugated cartoned test commodity placed on the subject pallets and arranged in a 2 by 2 by 2 storage arrangement. The beams of the storage rack are adjusted so that the top of the lower beam is 10 ±1.0 inches (25.4 ±1.27 cm) from the floor, and the distance between the tops of the upper and lower beams is 60 ±1.0 inches (152 ±1.27 cm). The commodity is to be placed on the pallets so that there is a 6 ±0.25 inch (15.24 ±0.64 cm) flue space in each direction. See Figure 4.1. Each test commodity shall consist of double tri-wall corrugated cardboard cartons with five-sided (bottom open) steel stiffeners as referenced for Class II commodity described in the Standard for Automatic Sprinklers for Fire-Protection Service, UL 199. The moisture content of the cardboard boxes as measured in representative samples shall be 8 ±3 percent. For pallets that contain some wood components, the moisture content of the wood components, as measured in representative samples, shall not exceed 12 percent.

3. Revisions to Commodity Storage Test

4.5.6 The test is to be terminated when one of the following conditions occurs:

a) One or more cardboard box assemblies falls onto the floor outside the rack storage array during the ~~10~~ 30 minutes of the most severe burning or

b) The total time elapsed from the ignition of the igniters reaches ~~15~~ 30 minutes, unless at 30 minutes there is an indication of an increase in the heat release rate. In this case the test shall be continued until the data shows that the heat release rate is continuously decreasing.

4. New Marking Requirements

7.4 In lieu of the marking methods referenced in 7.3, electronic marking, such as radio-frequency identification (RFID), shall be permitted to be used for the date of manufacture and factory location.