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## American National Standards

### Call for comment on proposals listed

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

\* Standard for consumer products

## Comment Deadline: April 7, 2013

### UL (Underwriters Laboratories, Inc.)

#### Revision

BSR/UL 263-201x, Standard for Safety for Fire Tests of Building Construction and Materials (Proposal dated March 1, 2013) (revision of ANSI/UL 263-2011a)

This 3/1/2013 UL 263 proposal bulletin includes changes to the unexposed face criteria.

[Click here to view these changes in full](#)

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Betty Holthouser, (919) 549-1896, [betty.c.holthouser@ul.com](mailto:betty.c.holthouser@ul.com)

### UL (Underwriters Laboratories, Inc.)

#### Revision

BSR/UL 514D-201X, Standard for Safety for Cover Plates for Flush-Mounted Wiring Devices (revision of ANSI/UL 514D-2011a)

1. The proposed Second edition of the Standard for Cover Plates and Flush Mounted Wiring Devices, UL 514D.

[Click here to view these changes in full](#)

Single copy price: Contact comm2000 for pricing and delivery options

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Beth Northcott, (847) 664-3198, [Elizabeth.Northcott@ul.com](mailto:Elizabeth.Northcott@ul.com)

### UL (Underwriters Laboratories, Inc.)

#### Revision

BSR/UL 746E-201x, Standard for Safety for Polymeric Materials; Industrial Laminates, Filament Wound Tubing, Vulcanized Fibre, and Materials Used in Printed-Wiring Boards (revision of ANSI/UL 746E-2012)

The intent of this proposal is to provide a redefinition of FR-4 UL/ANSI Grades.

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Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Derrick Martin, (408) 754-6656, [Derrick.L.Martin@ul.com](mailto:Derrick.L.Martin@ul.com)

## Comment Deadline: April 22, 2013

### AAMI (Association for the Advancement of Medical Instrumentation)

#### New National Adoption

BSR/AAMI/ISO 10993-3-201x, Biological evaluation of medical devices - Part 3: Tests for genotoxicity, carcinogenicity and reproductive toxicity (identical national adoption of ISO/DIS 10993-3 and revision of ANSI/AAMI/ISO 10993-3-2003 (R2009))

This part of ISO 10993 specifies strategies for hazard identification and tests on medical devices for the following biological aspects: genotoxicity, carcinogenicity, and reproductive and developmental toxicity. This part of ISO 10993 is applicable when the need to evaluate a medical device for potential genotoxicity, carcinogenicity, or reproductive toxicity has been established.

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### AAMI (Association for the Advancement of Medical Instrumentation)

#### New National Adoption

BSR/AAMI/ISO 11663-201x, Quality of dialysis fluid for haemodialysis (identical national adoption of ISO 11663 and revision of ANSI/AAMI/ISO 11663-2009 (Ed1))

Specifies minimum requirements for dialysis fluids used for haemodialysis and haemodiafiltration, including substitution solution for haemodiafiltration and haemofiltration. Does not address the requirements for the water and concentrates used to prepare dialysis fluid or the equipment used in its preparation

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### AAMI (Association for the Advancement of Medical Instrumentation)

#### New National Adoption

BSR/AAMI/ISO 13958-201x, Concentrates for haemodialysis and related therapies (identical national adoption of ISO 13958 and revision of ANSI/AAMI/ISO 13958-2009)

Specifies minimum requirements for concentrates used for haemodialysis and related therapies.

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### AAMI (Association for the Advancement of Medical Instrumentation)

#### New National Adoption

BSR/AAMI/ISO 13959-201x, Water for haemodialysis and related therapies (identical national adoption of ISO 13959 and revision of ANSI/AAMI/ISO 13959-2009)

Specifies minimum requirements for water to be used in the preparation of concentrates, dialysis fluids for haemodialysis, haemodiafiltration, and haemofiltration and for the reprocessing of haemodialysers.

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## **AAMI (Association for the Advancement of Medical Instrumentation)**

### ***New National Adoption***

BSR/AAMI/ISO 23500-201x, Guidance for the preparation and quality management of fluids for haemodialysis and related therapies (identical national adoption of ISO 23500 and revision of ANSI/AAMI/ISO 23500-2011)

Covers the appropriate prescription of dialysate, handling of concentrates, operation of water-treatment equipment and handling of its product water, monitoring of systems and the dialysate produced, and risks and hazards of dialysate preparation failure. Presents a systems diagram and explanation for the production, monitoring, and use of dialysate for hemodialysis in the facility.

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## **AAMI (Association for the Advancement of Medical Instrumentation)**

### ***New National Adoption***

BSR/AAMI/ISO 26722-201x, Water treatment equipment for haemodialysis and related therapies (identical national adoption of ISO 26722 and revision of ANSI/AAMI/ISO 26722-2009)

Covers devices used to treat water intended for use in the delivery of haemodialysis and related therapies, including water used for: (1) the preparation of concentrates from powder or other highly concentrated media at a dialysis facility; (2) the preparation of dialysis fluid that may be used for the preparation of substitution fluid; and (3) the reprocessing of dialysers for multiple uses.

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

### ***Addenda***

BSR/ASHRAE Addendum 55i-201x, Thermal Environmental Conditions for Human Occupancy (addenda to ANSI/ASHRAE Standard 55-2010)

This proposed addendum clarifies calculation of the cooling effect of air movement by moving informative text to an informative appendix and by stating requirements more clearly in normative language. A new definition of "average air speed" is added to clarify that calculations shall use a time and spatial averaged air speed.

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

### ***Addenda***

BSR/ASHRAE Addendum 55k-201x, Thermal Environmental Conditions for Human Occupancy (addenda to ANSI/ASHRAE Standard 55-2010)

This proposed addendum adds a new method for the calculation of the clothing insulation using a predictive model of clothing insulation based on outdoor air temperature. This model can be used to predict clothing levels at design conditions, to generate clothing inputs for dynamic annual comfort simulations, or as an input for comfort control systems.

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

### ***Addenda***

BSR/ASHRAE Addendum 55l-201x, Thermal Environmental Conditions for Human Occupancy (addenda to ANSI/ASHRAE Standard 55-2010)

This proposed addendum renames Section 6 from "Compliance" to "Design Compliance" to clarify that Section 6 covers design requirements and documentation in contrast to Section 7 (Evaluation of the Thermal Environment) that covers evaluation of existing spaces. The proposed addendum also removes informative language and clarifies the existing requirements in Section 6.

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

### ***Addenda***

BSR/ASHRAE Addendum 55m-201x, Thermal Environmental Conditions for Human Occupancy (addenda to ANSI/ASHRAE Standard 55-2010)

This proposed addendum separates normative from informative text in the portions of Section 5 (Conditions that Provide Thermal Comfort) that describe the analytical and graphic methods.

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

BSR/ASHRAE Addendum 55n-201x, Thermal Environmental Conditions for Human Occupancy (addenda to ANSI/ASHRAE Standard 55-2010)

This proposed addendum combines and clarifies definitions by absorbing Section 5.4 (Description of Thermal Environmental Variables) into the definitions in Section 3.0 (Definitions). Some definitions that were not used have been deleted, others that are commonly used have been added, and many have been revised to be more clear and specific.

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

BSR/ASHRAE Addendum 84a-201x, Method of Testing Air-to-Air Heat/Energy Exchangers (addenda to ANSI/ASHRAE Standard 84-2013)

This proposed addendum clarifies the standard in three areas. Equation (14) is modified to clarify for which airstream the specific heat Cp is evaluated. Text near Equations (22) and (23) is re-arranged for clarity. Two sets of uncertainty limits had been provided for Equations (24), (25), and (26); in this proposed addendum, each equation is provided with a single, unambiguous uncertainty limit.

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**ASTM (ASTM International)****New Standard**

BSR/ASTM WK23226-201x, Specification for Multilayer Polyethylene-Polyamide (PE-PA) Pipe for Pressure Piping Applications (new standard)

[http://www.astm.org/ANSI\\_SA](http://www.astm.org/ANSI_SA)

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**ASTM (ASTM International)****New Standard**

BSR/ASTM WK31289-201x, Specification for Black Crosslinked Polyethylene (PEX) Line Pipe, Fittings and Joints for Oil and Gas Producing Applications (new standard)

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**ASTM (ASTM International)****New Standard**

BSR/ASTM WK32201-201x, Specification for Crosslinked Polyethylene (PEX) Tubing of 0.070-in. Wall and Fittings for Radiant Heating Systems up to 75 psig (new standard)

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**ASTM (ASTM International)****New Standard**

BSR/ASTM WK33352-201x, Specification for Black Crosslinked Polyethylene (PEX) Pipe, Fittings and Joints for Gas Distribution Applications (new standard)

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**ASTM (ASTM International)****New Standard**

BSR/ASTM WK38024-201x, Specification for Color and Appearance Retention of Solid and Variegated Color Plastic Siding Products Using Cielab Color Space (new standard)

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**ASTM (ASTM International)****Reaffirmation**

BSR/ASTM D2308-2007 (R201x), Specification for Thermoplastic Polyethylene Jacket for Electrical Wire and Cable (reaffirmation of ANSI/ASTM D2308-2007)

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**ASTM (ASTM International)****Reaffirmation**

BSR/ASTM D3554-2007 (R201x), Specification for Track-Resistant Black Thermoplastic High-Density Polyethylene Insulation for Wire and Cable, 75 C Operation (reaffirmation of ANSI/ASTM D3554-2007)

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**ASTM (ASTM International)****Reaffirmation**

BSR/ASTM D3555-2007 (R201x), Specification for Track-Resistant Black Crosslinked Polyethylene Insulation for Wire and Cable, 90 C Operation (reaffirmation of ANSI/ASTM D3555-2007)

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**ASTM (ASTM International)****Reaffirmation**

BSR/ASTM E1994-2009 (R201x), Practice for Use of Process Oriented AOQL and LTPD Sampling Plans (reaffirmation of ANSI/ASTM E1994-2009)

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**ASTM (ASTM International)****Reaffirmation**

BSR/ASTM E2032-2009 (R201x), Guide for Extension of Data from Fire Resistance Tests Conducted in Accordance with ASTM E119 (reaffirmation of ANSI/ASTM E2032-2009)

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**ASTM (ASTM International)****Reaffirmation**

BSR/ASTM E2234-2009 (R201x), Practice for Sampling a Stream of Product by Attributes Indexed by AQL (reaffirmation of ANSI/ASTM E2234-2009)

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**ASTM (ASTM International)****Reaffirmation**

BSR/ASTM E2334-2008 (R201x), Practice for Setting an Upper Confidence Bound for a Fraction or Number of Non-Conforming items, or a Rate of Occurrence for Non-conformities, Using Attribute Data, When There Is a Zero Response in the Sample (reaffirmation of ANSI/ASTM E2334-2008)

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**ASTM (ASTM International)****Reaffirmation**

BSR/ASTM E2336-2004 (R201x), Test Methods for Fire Resistive Grease Duct Enclosure Systems (reaffirmation of ANSI/ASTM E2336-2004 (R2009))

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**ASTM (ASTM International)****Reaffirmation**

BSR/ASTM E2696-2009 (R201x), Practice for Life and Reliability Testing Based on the Exponential Distribution (reaffirmation of ANSI/ASTM E2696-2009)

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**ASTM (ASTM International)****Revision**

BSR/ASTM D2152-201x, Test Method for Adequacy Fusion of Extruded Poly (Vinyl Chloride) (PVC) Pipe and Molded Fittings by Acetone Immersion (revision of ANSI/ASTM D2152-2010)

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**ASTM (ASTM International)****Revision**

BSR/ASTM D2464-201x, Specification for Threaded Poly(Vinyl Chloride) (PVC) Plastic Pipe Fittings, Schedule 80 (revision of ANSI/ASTM D2464-2006)

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**ASTM (ASTM International)****Revision**

BSR/ASTM D2749-201x, Symbols for Dimensions of Plastic Pipe Fittings (revision of ANSI/ASTM D2749-2002 (R2008))

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BSR/ASTM D2996-201x, Specification for Filament-Wound Fiberglass (Glass-Fiber-Reinforced Thermosetting-Resin) Pipe (revision of ANSI/ASTM D2996-2001 (R2007))

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BSR/ASTM D2997-201x, Specification for Centrifugally Cast Fiberglass (Glass-Fiber-Reinforced Thermosetting-Resin) Pipe (revision of ANSI/ASTM D2997-2001 (R2007))

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BSR/ASTM D3636-201x, Practice for Sampling and Judging Quality of Solid Electrical Insulating Materials (revision of ANSI/ASTM D3636-2013)

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BSR/ASTM E8-201x, Test Methods for Tension Testing of Metallic Materials (revision of ANSI/ASTM E8-2011)

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BSR/ASTM E162-201x, Test Method for Surface Flammability of Materials Using a Radiant Heat Energy Source (revision of ANSI/ASTM E162-2012)

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BSR/ASTM E176-201x, Terminology of Fire Standards (revision of ANSI/ASTM E176-2012a)

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BSR/ASTM E535-201x, Practice for Preparation of Fire-Test-Response Standards (revision of ANSI/ASTM E535-2012)

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BSR/ASTM E603-201x, Guide for Room Fire Experiments (revision of ANSI/ASTM E603-2012a)

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BSR/ASTM E662-201x, Test Method for Specific Optical Density of Smoke Generated by Solid Materials (revision of ANSI/ASTM E662-2012)

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BSR/ASTM E970-201x, Test Method for Critical Radiant Flux of Exposed Attic Floor Insulation Using a Radiant Heat Energy Source (revision of ANSI/ASTM E970-2010)

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BSR/ASTM E1529-201x, Test Methods for Determining Effects of Large Hydrocarbon Pool Fires on Structural Members and Assemblies (revision of ANSI/ASTM E1529-2010)

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BSR/ASTM E1591-201x, Guide for Obtaining Data for Deterministic Fire Models (revision of ANSI/ASTM E1591-2007)

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BSR/ASTM E1623-201x, Test Method for Determination of Fire and Thermal Parameters of Materials, Products, and Systems Using an Intermediate Scale Calorimeter (ICAL) (revision of ANSI/ASTM E1623-2009)

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BSR/ASTM E1776-201x, Guide for Development of Fire-Risk-Assessment Standards (revision of ANSI/ASTM E1776-2007)

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BSR/ASTM E2102-201x, Test Method for Measurement of Mass Loss and Ignitability for Screening Purposes Using a Conical Radiant Heater (revision of ANSI/ASTM E2102-2011)

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BSR/ASTM E2230-201x, Practice for Thermal Qualification of Type B Packages for Radioactive Material (revision of ANSI/ASTM E2230-2008)

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BSR/ASTM E2257-201x, Test Method for Room Fire Test of Wall and Ceiling Materials and Assemblies (revision of ANSI/ASTM E2257-2008)

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### **Revision**

BSR ATIS 0900105.03-201x, Synchronous Optical Network - (SONET) - Jitter Network Interfaces (revision of ANSI ATIS 0900105.03-2003 (R2008))  
The standard describes the jitter specifications that are applicable to SONET network and equipment interfaces (OC-N and STS-N), and jitter and wander specifications that are applicable to certain SONET payload signals (e.g. DS1 and DS3).

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## **ATIS (Alliance for Telecommunications Industry Solutions)**

### **Revision**

BSR ATIS 0900105.09-201x, Synchronous Optical Network (SONET) - Network Timing and Synchronization (revision of ANSI ATIS 0900105.09-1996 (R2008))

This standard provides timing and synchronization specifications for SONET interfaces. Compliance with this standard is necessary to achieve satisfactory interworking of telecommunications networks.

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## **ATIS (Alliance for Telecommunications Industry Solutions)**

### **Withdrawal**

ANSI ATIS 0700717-2000 (R2009), Air Interface Standard for Broadband Direct Sequence CDMA for Fixed Wireless PSTN Access - Layer 2 (withdrawal of ANSI ATIS 0700717-2000 (R2009))

This document specifies the transmit functions of Layer 2 to define the air interface for a Broadband Direct Sequence CDMA system for fixed wireless PSTN access. This document provides the detailed definition of all component entities within Layer 2, and the services and primitives provided to other layers by Layer 2.

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## **ECA (Electronic Components Association)**

### **New Standard**

BSR/EIA/ECA 747B-201x, Adhesive Backed punched plastic carrier taping of singulated bare die and other surface mount components for automatic handling of devices generally less than 1.0mm thick (new standard)

Covers requirements of 8mm, 12mm, 16mm, and 24mm taping of surface mount components generally less than 1.0mm thick and requiring high precision taping for automatic handling of devices such as singulated bare die.

Single copy price: \$80.00

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## **ECA (Electronic Components Association)**

### **Reaffirmation**

BSR/EIA 468-C-2008 (R201x), Lead Taping of Components in the Radial Configuration for Automatic Handling (reaffirmation of ANSI/EIA 468-C-2008)

This standard was formulated to provide dimensions and tolerances necessary to lead tape components in the radial format (unidirectional leads) such that they may be automatically handled. Automatic handling includes insertion, preforming and other operations. The emphasis of this standard is on the requirements for high-speed automatic insertion. This standard covers the lead taping requirements for components having two or more radial configured leads, provided these components may be taped in accordance with the requirements of this document.

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**ECA (Electronic Components Association)****Revision**

BSR/EIA 364-43C-201x, Cable Clamping (Bending Moment) Test Procedure for Electrical Connectors (revision and redesignation of ANSI/EIA 364-43B -2000 (R2007))

This standard establishes a test method to determine the ability of connectors to withstand stress resulting from loads applied to rear accessory hardware such as might be experienced with cables hanging from plugs mated to wall-mounted receptacles.

Single copy price: \$67.00

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**ITI (INCITS) (InterNational Committee for Information Technology Standards)****New National Adoption**

INCITS/ISO/IEC 21118:2012, Information technology - Office equipment - Information to be included in specification sheets - Data projectors (identical national adoption of ISO/IEC 21118:2012 and revision of INCITS/ISO/IEC 21118-2008)

ISO/IEC 21118:2012 specifies the information to be included in the specification sheets for front projection type data projectors and the form of specification sheets. It is also applicable to data projectors that have a video signal input port as well as a computer signal input port. It is not applicable to units for a rear screen projection or with a video input terminal alone.

Single copy price: \$98.00

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**NCPDP (National Council for Prescription Drug Programs)****Revision**

BSR/NCPDP SC WG110053201xxx#-201x, NCPDP SCRIPT Standard 201xxx# (revision and redesignation of ANSI/NCPDP SC MC000005201xxx#-201x)

The standard provides general guidelines for developers of pharmacy or physician management systems who wish to provide prescription transmission functionality to their clients. The standard addresses the electronic transmission of new prescriptions, prescription refill requests, prescription fill status notifications, and cancellation notifications.

Single copy price: \$200.00 (non-members)

Obtain an electronic copy from: [kkrempin@ncdpd.org](mailto:kkrempin@ncdpd.org)

Order from: Kittye Krempin, (512) 291-1356, [kkrempin@ncdpd.org](mailto:kkrempin@ncdpd.org)

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**NCPDP (National Council for Prescription Drug Programs)****Revision**

BSR/NCPDP Specialized Standard WG110053201xxx#, NCPDP Specialized Standard 201xxx# (revision and redesignation of ANSI/NCPDP Specialized Standard MC000005201xxx#)

The NCPDP Specialized Standard will house transactions that are not eprescribing but are part of the NCPDP XML environment. The standard provides general guidelines for developers of systems who wish to provide business functionality of these transactions to their clients. The guide describes a set of transactions and the implementation of these transactions.

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**NCPDP (National Council for Prescription Drug Programs)****Revision**

BSR/NCPDP TC vE.3-201x, NCPDP Telecommunication Standard vE.3 -201x (revision and redesignation of ANSI/NCPDP TC vE.2-201x)

The standard supports the format for electronic communication of pharmacy service-related billing, prior authorization processing, and information reporting between pharmacies and other responsible parties. This standard addresses the data format and content, the transmission protocol and other appropriate telecommunication requirements.

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**NEMA (National Electrical Manufacturers Association)****New Standard**

BSR/NEMA SGIC-1-201x, Smart Grid Interoperable & Conformant (SG-IC) Testing and Certification Scheme Operator Guidelines (new standard)

This standard will be an implementation of the governance aspects of smart-grid interoperability testing as developed in the SGIP Interoperability Process Reference Manual. The objective is to identify a single scheme to manage interoperability testing in the U.S. that will work across multiple standards (regardless of source) and electric grid domains including generation, transmission, distribution, and consumer product interoperability.

Single copy price: \$45.00

Order from: Steve Griffith, (703) 841-3297, [Steve.Griffith@nema.org](mailto:Steve.Griffith@nema.org)

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**RVIA (Recreational Vehicle Industry Association)****Reaffirmation**

BSR/RVIA TSIC-1-2008 (R201x), Recommended Practice Process Controls for Assembly of Wheels on Trailers (reaffirmation of ANSI/RVIA TSIC-1-2008)

This Recommended Practice identifies and defines the significant factors required for trailer wheel assembly process and systematic control. The proper assembly of wheels on trailers is of critical importance to consumer safety. The improper attachment of a wheel to an axle may lead to the loss of the wheel in service. This document provides information on the recommended design and assembly of trailer wheel components and control processes intended to improve trailer reliability and enhance consumer safety

Single copy price: \$15.00

Obtain an electronic copy from: [ggore@rvia.org](mailto:ggore@rvia.org)

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Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Kent Perkins, RVIA, [kperkins@rvia.org](mailto:kperkins@rvia.org)

**SCTE (Society of Cable Telecommunications Engineers)****New Standard**

BSR/SCTE 195-201x, XFP-RF: Interface Specifications for an RF-Modulated Small Form Factor Pluggable Optical Module (new standard)

This specification will focus on the communications, electrical, and mechanical interfaces for the XFP RF optical transmitter module. Requirements held within this specification apply both to the transmitter module and its host.

Single copy price: \$50.00

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**SCTE (Society of Cable Telecommunications Engineers)****Revision**

BSR/SCTE 136-2-201x, Cable Modem TDM Emulation Interface Standard (revision of ANSI/SCTE 136-2-2007)

TDM Emulation service (TDM-E) is a method for cable operators to deliver T1, E1, and NxDS0 emulation services that meet or exceed the quality requirement of applications that use such services. This standard is part of the Cable Modem family of standards and in particular, defines the TDM-E architecture and components.

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**TIA (Telecommunications Industry Association)****New Standard**

BSR/TIA 4966-201x, Telecommunications Infrastructure Standard for Educational Facilities (new standard)

This Standard specifies telecommunications infrastructure requirements for educational buildings and spaces. It specifies cabling, cabling topologies, and cabling distances – all of which are intended to support a wide range of services and systems. Additionally, pathways and spaces (e.g. sizing and location), and ancillary requirements are addressed. Modern digital telecommunications in educational buildings requires a robustly designed building infrastructure to support the numerous systems that rely on the electronic transport of information. The purpose of this standard is to enable designers to incorporate these relevant telecommunications transport mechanisms within the design of educational buildings and spaces. It is intended to enable the planning of a structured cabling system that can be used with a multitude of services and systems used in educational buildings and spaces.

Single copy price: \$133.00

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**TIA (Telecommunications Industry Association)****Reaffirmation**

BSR/TIA 136-005-C-2004 (R201x), TDMA Third Generation Wireless - Introduction, Identification, and Semi-Permanent Memory (reaffirmation of ANSI/TIA 136-005-C-2004)

Reaffirmation of TIA/EIA-136 part.

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

### ***Reaffirmation***

BSR/TIA 136-020-E-2004 (R201x), TDMA Third Generation Wireless - SOC, BSMC, and Other Code Assignments (reaffirmation of ANSI/TIA 136-020-E-2004)

Reaffirmation of TIA/EIA-136 part.

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

### ***Reaffirmation***

BSR/TIA 136-030-B-2004 (R201x), TDMA Third Generation Wireless - R-UIM Overview and Operations (reaffirmation of ANSI/TIA 136-030-B-2004)

Reaffirmation of TIA/EIA-136 part.

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

### ***Reaffirmation***

BSR/TIA 136-121-A-1999 (R201x), TDMA Cellular PCS - Digital Control Channel Layer 1 (reaffirmation of ANSI/TIA 136-121-A-1999 (R2003))

Reaffirmation of TIA/EIA-136 part.

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

### ***Reaffirmation***

BSR/TIA 136-133-E-2004 (R201x), TDMA Third Generation Wireless - Digital Traffic Channel Layer Three (reaffirmation of ANSI/TIA 136-133-E-2004)

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

### ***Reaffirmation***

BSR/TIA 136-410-1999 (R201x), TDMA Cellular PCS - Enhanced Full-Rate Voice Codec (reaffirmation of ANSI/TIA 136-410-1999 (R2003))

Reaffirmation of TIA/EIA-136 part.

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

### ***Reaffirmation***

BSR/TIA 136-420-2003 (R201x), TDMA Cellular PCS - VSELP (reaffirmation of ANSI/TIA 136-420-2003)

Reaffirmation of TIA/EIA-136 part.

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

### ***Reaffirmation***

BSR/TIA 136-430-1999 (R201x), TDMA Cellular PCS - US1 (reaffirmation of ANSI/TIA 136-430-1999 (R2003))

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

### ***Reaffirmation***

BSR/TIA 136-630-1999 (R201x), TDMA Cellular PCS - Broadcast Teleservice Transport - Broadcast Air-Interface Transport Service (BATS) (reaffirmation of ANSI/TIA 136-630-1999 (R2003))

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**TIA (Telecommunications Industry Association)****Reaffirmation**

BSR/TIA 136-750-1999 (R201x), TDMA Cellular PCS - General UDP Transport Service (GUTS) (reaffirmation of ANSI/TIA 136-750-1999 (R2003))

Reaffirmation of TIA/EIA-136 part.

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**TIA (Telecommunications Industry Association)****Reaffirmation**

BSR/TIA 136-905-A-2004 (R201x), TDMA Third Generation Wireless - Normative Information (reaffirmation of ANSI/TIA 136-905-A-2004)

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**TIA (Telecommunications Industry Association)****Reaffirmation**

BSR/TIA 136-377-B-1-2008 (R201x), TDMA Third Generation Wireless EGPRS-136 Gs Interface Specifications - Addendum 1 (reaffirmation of ANSI/TIA 136-377-B-1-2008)

Reaffirmation of TIA/EIA-136 part.

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**TIA (Telecommunications Industry Association)****Reaffirmation**

BSR/TIA 136-410-1-2001 (R201x), TDMA Cellular PCS - Enhanced Full-Rate Voice Codec- Addendum 1 (reaffirmation of ANSI/TIA 136-410-1-2001 (R2003))

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**TIA (Telecommunications Industry Association)****Reaffirmation**

BSR/TIA 440-B-2004 (R201x), Fiber Optic Terminology (reaffirmation of ANSI/TIA 440-B-2004)

The purpose of this Standard is to define commonly used terms, symbols, and abbreviations for fiber optic applications. Terms are arranged in alphabetical order and definitions follow the listed term without repeating the term. If a term consists of two or more words, and its modifiers and the generic word form a single concept, the terms have been alphabetized with the modifier as the initial word. The meanings of some terms differ in the context in which they are used, thus requiring more than one definition. A definition appears with a preferred term. Variations are included in the alphabetical list with cross reference to the preferred term.

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**TIA (Telecommunications Industry Association)****Reaffirmation**

BSR/TIA/EIA 136-100-B-2000 (R201x), TDMA Third Generation Wireless - Introduction to Channels (reaffirmation of ANSI/TIA/EIA 136-100-B-2000 (R2004))

Reaffirmation of TIA/EIA-136 part.

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**TIA (Telecommunications Industry Association)****Reaffirmation**

BSR/TIA/EIA 136-122-B-2000 (R201x), TDMA Third Generation Wireless - Digital Control Channel Layer 2 (reaffirmation of ANSI/TIA/EIA 136-122-B-2000 (R2004))

Reaffirmation of TIA/EIA-136 part.

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**TIA (Telecommunications Industry Association)****Reaffirmation**

BSR/TIA/EIA 136-150-B-2000 (R201x), TDMA Third Generation Wireless - Analog Voice Channel (reaffirmation of ANSI/TIA/EIA 136-150-B-2000 (R2004))

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

### ***Reaffirmation***

BSR/TIA/EIA 136-220-2000 (R201x), TDMA Third Generation Wireless - VSELP Minimum Performance (reaffirmation of ANSI/TIA/EIA 136-220-2000 (R2004))

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

### ***Reaffirmation***

BSR/TIA/EIA 136-320-2000 (R201x), TDMA Third Generation Wireless - Radio Link Protocol -2 (reaffirmation of ANSI/TIA/EIA 136-320-2000 (R2004))

Reaffirmation of TIA/EIA-136 part.

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

### ***Reaffirmation***

BSR/TIA/EIA 136-230-2000 (R201x), TDMA Third Generation Wireless - Minimum Performance Specifications for US-1 Voice Coder (reaffirmation of ANSI/TIA/EIA 136-230-2000 (R2004))

Reaffirmation of TIA/EIA-136 part.

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

### ***Reaffirmation***

BSR/TIA/EIA 136-330-2000 (R201x), TDMA Third Generation Wireless - Packet Data Service Overview (reaffirmation of ANSI/TIA/EIA 136-330-2000 (R2004))

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

### ***Reaffirmation***

BSR/TIA/EIA 136-030-B-1-2005 (R201x), TDMA Third Generation Wireless - R-UIM Overview and Operation - Addendum 1 (reaffirmation of ANSI/TIA/EIA 136-030-B-1-2005)

Reaffirmation of TIA/EIA-136 part.

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

### ***Reaffirmation***

BSR/TIA/EIA 136-331-2000 (R201x), TDMA Third Generation Wireless - Packet Data Service - 136+ Physical Layer (reaffirmation of ANSI/TIA/EIA 136-331-2000 (R2004))

Reaffirmation of TIA/EIA-136 part.

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

### ***Reaffirmation***

BSR/TIA/EIA 136-310-A-2000 (R201x), TDMA Third Generation Wireless - Radio Link Protocol -1 (reaffirmation of ANSI/TIA/EIA 136-310-A-2000 (R2004))

Reaffirmation of TIA/EIA-136 part.

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

### ***Reaffirmation***

BSR/TIA/EIA 136-332-2000 (R201x), TDMA Third Generation Wireless - Packet Data Service - 136+ Medium Access Control (reaffirmation of ANSI/TIA/EIA 136-332-2000 (R2004))

Reaffirmation of TIA/EIA-136 part.

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

### ***Reaffirmation***

BSR/TIA/EIA 136-333-2000 (R201x), TDMA Third Generation Wireless - Packet Data Service - Logical-Link Control (reaffirmation of ANSI/TIA/EIA 136-333-2000 (R2004))

Reaffirmation of TIA/EIA-136 part.

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

### ***Reaffirmation***

BSR/TIA/EIA 136-337-2000 (R201x), TDMA Third Generation Wireless - Packet Data Service - Tunneling of Signaling Messages (reaffirmation of ANSI/TIA/EIA 136-337-2000 (R2004))

Reaffirmation of TIA/EIA-136 part.

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

### ***Reaffirmation***

BSR/TIA/EIA 136-334-2000 (R201x), TDMA Third Generation Wireless - Packet Data Service - Subnetwork Dependent Convergence Protocol (reaffirmation of ANSI/TIA/EIA 136-334-2000 (R2004))

Reaffirmation of TIA/EIA-136 part.

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

### ***Reaffirmation***

BSR/TIA/EIA 136-340-2000 (R201x), TDMA Third Generation Wireless - Packet Data Service - 136HS Outdoor Overview (reaffirmation of ANSI/TIA/EIA 136-340-2000 (R2004))

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

### ***Reaffirmation***

BSR/TIA/EIA 136-335-2000 (R201x), TDMA Third Generation Wireless - Packet Data Service - Radio Resource Management (reaffirmation of ANSI/TIA/EIA 136-335-2000 (R2004))

Reaffirmation of TIA/EIA-136 part.

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

### ***Reaffirmation***

BSR/TIA/EIA 136-341-2000 (R201x), TDMA Third Generation Wireless - Packet Data Service - 136HS Outdoor Physical Layer (reaffirmation of ANSI/TIA/EIA 136-341-2000 (R2004))

Reaffirmation of TIA/EIA-136 part.

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

### ***Reaffirmation***

BSR/TIA/EIA 136-336-2000 (R201x), TDMA Third Generation Wireless - Packet Data Service - Mobility Management (reaffirmation of ANSI/TIA/EIA 136-336-2000 (R2004))

Reaffirmation of TIA/EIA-136 part.

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

### ***Reaffirmation***

BSR/TIA/EIA 136-342-2000 (R201x), TDMA Third Generation Wireless - Packet Data Service - 136HS Outdoor RLC/MAC (reaffirmation of ANSI/TIA/EIA 136-342-2000 (R2004))

Reaffirmation of TIA/EIA-136 part.

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

### **Reaffirmation**

BSR/TIA/EIA 136-360-2000 (R201x), TDMA Third Generation Wireless - Packet Data Service - 136HS Indoor Overview (reaffirmation of ANSI/TIA/EIA 136-360-2000 (R2004))

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

### **Reaffirmation**

BSR/TIA/EIA 136-511-A-2000 (R201x), TDMA Third Generation Wireless - Messages Subject to Encryption (reaffirmation of ANSI/TIA/EIA 136-511-A-2000 (R2004))

Reaffirmation of TIA/EIA-136 part.

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

### **Reaffirmation**

BSR/TIA/EIA 136-361-2000 (R201x), TDMA Third Generation Wireless - Packet Data Service - 136HS Indoor Physical Layer (reaffirmation of ANSI/TIA/EIA 136-361-2000 (R2004))

Reaffirmation of TIA/EIA-136 part.

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

### **Reaffirmation**

BSR/TIA/EIA 136-900-2000 (R201x), TDMA Third Generation Wireless - Introduction to Annexes/Appendices (reaffirmation of ANSI/TIA/EIA 136-900-2000 (R2004))

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

### **Reaffirmation**

BSR/TIA/EIA 136-362-2000 (R201x), TDMA Third Generation Wireless - Packet Data Service - 136HS Indoor RLC/MAC (reaffirmation of ANSI/TIA/EIA 136-362-2000 (R2004))

Reaffirmation of TIA/EIA-136 part.

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

### **Reaffirmation**

BSR/TIA/EIA 136-932-2000 (R201x), TDMA Third Generation Wireless - Packet Data Services - Stage 2 Description (reaffirmation of ANSI/TIA/EIA 136-932-2000 (R2004))

Reaffirmation of TIA/EIA-136 part.

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

### **Reaffirmation**

BSR/TIA/EIA 136-510-B-2000 (R201x), TDMA Third Generation Wireless - Authentication, Encryption of Signaling Information User Data and Privacy (reaffirmation of ANSI/TIA/EIA 136-510-B-2000 (R2004))

Reaffirmation of TIA/EIA-136 part.

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

### **Reaffirmation**

BSR/TIA/EIA 136-310-A-1-2001 (R201x), TDMA Third Generation Wireless - Radio Link Protocol - 1, Addendum 1 (reaffirmation of ANSI/TIA/EIA 136-310-A-1-2001 (R2004))

Reaffirmation of TIA/EIA-136 part.

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**UL (Underwriters Laboratories, Inc.)****New Standard**

BSR/UL 8753-201X, Standard for Safety for Field-Replaceable Light Emitting Diode (LED) Light Engines (new standard)

The following changes in requirements to the Standard for Field-Replaceable Light Emitting Diode (LED) Light Engines, UL 8753/ULC-S8753, are being proposed: (1) The proposed First Edition of the Joint UL/ULC Standard for Field-Replaceable Light Emitting Diode (LED) Light Engines, UL 8753/ULC-S8753.

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**UL (Underwriters Laboratories, Inc.)****New Standard**

BSR/UL 8754-201X, Standard for Safety for Holders, Bases, and Connectors for Solid-State (LED) Light Engines and Arrays (new standard)

The following changes in requirements to the Standard for Holders, Bases, and Connectors for Solid-State (LED) Light Engines and Arrays, UL 8754/ULC-S8754, are being proposed: (1) The proposed First Edition of the Joint UL/ULC Standard for Holders, Bases, and Connectors for Solid-State (LED) Light Engines and Arrays, UL 8754/ULC-S8754.

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

BSR/UL 14B-2008 (R201x), Standard for Safety for Sliding Hardware for Standard, Horizontally Mounted Tin-Clad Fire Doors (reaffirmation of ANSI/UL 14B-2008)

These requirements apply to hardware for horizontally sliding fire doors that have demonstrated in fire tests fire-resistive properties warranting their use with two-ply and three-ply tin-clad fire doors tested in accordance with the Standard for Fire Tests of Door Assemblies, UL 10B (NFPA No. 252).

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

BSR/UL 14C-2008 (R201x), Standard for Safety for Swinging Hardware for Standard Tin-Clad Fire Doors Mounted Singly and in Pairs (reaffirmation of ANSI/UL 14C-2008)

These requirements apply to hardware for swinging fire doors that have demonstrated in fire tests fire-resistive properties warranting their use with two-ply and three-ply tin-clad fire doors tested in accordance with the Standard for Fire Tests of Door Assemblies, UL 10B (NFPA No. 252).

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

BSR/UL 466-2004 (R201x), Standard for Safety for Electric Scales and Accessories, UL 466 (Proposal dated March 8, 2013) (reaffirmation of ANSI/UL 466-2004 (R2008))

These requirements cover portable scales, including counter, jewelry, grain, floor, and other electronic scale designations. These scales are ordinarily of the computing type, that are rated 250 volts, or less. These scales consist of an attachment plug, a length of flexible cord, a switch, one or more lamps, lampholders, ballasts if electric-discharge lamps are used, and associated internal wiring. They are intended to be used in accordance with the National Electrical Code, NFPA 70.

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

BSR/UL 1820-2004 (R201x), Standard for Safety for Fire Test of Pneumatic Tubing for Flame and Smoke Characteristics (reaffirmation of ANSI/UL 1820-2004 (R2009))

UL 1820 is a test method for determining values of flame propagation distance and optical smoke density for pneumatic tubing that is to be installed in ducts, plenums, and other spaces used for environmental air. The purpose of this test method is to determine whether the flame-propagation and smoke-generating characteristics of these tubes are in accordance with the provisions of Installation of Air Conditioning and Ventilating Systems, NFPA 90A.

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

BSR/UL 1887-2004 (R201x), Standard for Safety for Fire Test of Plastic Sprinkler Pipe for Visible Flame and Smoke Characteristics (reaffirmation of ANSI/UL 1887-2004 (R2009))

UL 1887 is a test method for determining values of flame propagation distance and optical smoke density for plastic sprinkler pipe that is to be installed in ducts, plenums, and other spaces used for environmental air.

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

BSR/UL 60730-2-9-201X, Standard for Automatic Electrical Controls for Household and Similar Use; Part 2: Particular Requirements for Temperature Sensing Controls (revision of ANSI/UL 60730-2-9-2010)

The IEC issued an amendment to the third edition of IEC 60730-2-9 in June 2011. UL is proposing to add the requirements contained in that amendment into UL 60730-2-9.

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**Comment Deadline: May 7, 2013****ASME (American Society of Mechanical Engineers)****Reaffirmation**

BSR/ASME B18.21.3-2008 (R201x), Double Coil Helical Spring Lock Washers for Wood Structures (reaffirmation of ANSI/ASME B18.21.3-2008)

This Standard covers the dimensional and physical properties and methods of testing for double-coil helical-spring lock washers for wood structures.

Single copy price: \$32.00

For Reaffirmations and Withdrawn standards, please view our catalog at <http://www.asme.org/kb/standards>

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**ASME (American Society of Mechanical Engineers)****Reaffirmation**

BSR/ASME PTC 4.4-2008 (R201x), Gas Turbine Heat Recovery Steam Generators (reaffirmation of ANSI/ASME PTC 4.4-2008)

This Code addresses steam generators whose primary function is to recover heat from gas turbine exhaust. Methods noted in this document may also be used for testing other heat recovery units, which may include the following: (1) units heating water only; (2) units using working fluids other than water; (3) units obtaining hot gas heat input from sources other than gas turbines; and (4) HRSGs with fresh air firing capability.

Single copy price: \$85.00

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**ASME (American Society of Mechanical Engineers)****Revision**

BSR/ASME B40.100-201x, Pressure Gauges and Gauge Attachments (revision of ANSI/ASME B40.100-2005 (R2011))

This Standard is confined to analog, dial-type gauges, that, utilizing elastic elements, mechanically sense pressure and indicate it by means of a pointer moving over a graduated scale. This Standard does not include gauges of special configuration designed for specific applications, edge reading, deadweight or piston gages, or any other gauges not using an elastic element to sense pressure.

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**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).

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**30 Day Notice of Withdrawal: ANS 5 to 10 years past approval date**

In accordance with clause 4.7.1 Periodic Maintenance of American National Standards of the ANSI Essential Requirements, the following American National Standards have not been reaffirmed or revised within the five-year period following approval as an ANS. Thus, they shall be withdrawn at the close of this 30-day public review notice in Standards Action.

ANSI/TIA 683-D-2005, Over the Air Service Provisioning of Mobile Stations in Spread Spectrum Systems

**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/ISEA 110-2009, Air-Purifying Respiratory Protective Smoke Escape Devices

# 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 Drive  
Suite 301  
Arlington, VA 22203-1633

**Contact:** *Cliff Bernier*

**Phone:** (703) 253-8263

**Fax:** (703) 276-0793

**E-mail:** [CBernier@aami.org](mailto:CBernier@aami.org)

BSR/AAMI/ISO 11663-201x, Quality of dialysis fluid for haemodialysis (identical national adoption of ISO 11663 and revision of ANSI/AAMI/ISO 11663-2009 (Ed1))

BSR/AAMI/ISO 13958-201x, Concentrates for haemodialysis and related therapies (identical national adoption of ISO 13958 and revision of ANSI/AAMI/ISO 13958-2009)

BSR/AAMI/ISO 13959-201x, Water for haemodialysis and related therapies (identical national adoption of ISO 13959 and revision of ANSI/AAMI/ISO 13959-2009)

BSR/AAMI/ISO 23500-201x, Guidance for the preparation and quality management of fluids for haemodialysis and related therapies (identical national adoption of ISO 23500 and revision of ANSI/AAMI/ISO 23500-2011)

BSR/AAMI/ISO 26722-201x, Water treatment equipment for haemodialysis and related therapies (identical national adoption of ISO 26722 and revision of ANSI/AAMI/ISO 26722-2009)

## TIA (Telecommunications Industry Association)

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BSR/TIA 136-005-C-2004 (R201x), TDMA Third Generation Wireless - Introduction, Identification, and Semi-Permanent Memory (reaffirmation of ANSI/TIA 136-005-C-2004)

BSR/TIA 136-020-E-2004 (R201x), TDMA Third Generation Wireless - SOC, BSMC, and Other Code Assignments (reaffirmation of ANSI/TIA 136-020-E-2004)

BSR/TIA 136-030-B-2004 (R201x), TDMA Third Generation Wireless - R-UIM Overview and Operations (reaffirmation of ANSI/TIA 136-030-B-2004)

BSR/TIA 136-121-A-1999 (R201x), TDMA Cellular PCS - Digital Control Channel Layer 1 (reaffirmation of ANSI/TIA 136-121-A-1999 (R2003))

BSR/TIA 136-133-E-2004 (R201x), TDMA Third Generation Wireless - Digital Traffic Channel Layer Three (reaffirmation of ANSI/TIA 136-133-E-2004)

BSR/TIA 136-410-1999 (R201x), TDMA Cellular PCS - Enhanced Full-Rate Voice Codec (reaffirmation of ANSI/TIA 136-410-1999 (R2003))

BSR/TIA 136-420-2003 (R201x), TDMA Cellular PCS - VSELP (reaffirmation of ANSI/TIA 136-420-2003)

BSR/TIA 136-430-1999 (R201x), TDMA Cellular PCS - US1 (reaffirmation of ANSI/TIA 136-430-1999 (R2003))

BSR/TIA 136-630-1999 (R201x), TDMA Cellular PCS - Broadcast Teleservice Transport - Broadcast Air-Interface Transport Service (BATS) (reaffirmation of ANSI/TIA 136-630-1999 (R2003))

BSR/TIA 136-750-1999 (R201x), TDMA Cellular PCS - General UDP Transport Service (GUTS) (reaffirmation of ANSI/TIA 136-750-1999 (R2003))

BSR/TIA 136-905-A-2004 (R201x), TDMA Third Generation Wireless - Normative Information (reaffirmation of ANSI/TIA 136-905-A-2004)

BSR/TIA 136-377-B-1-2008 (R201x), TDMA Third Generation Wireless EGPRS-136 Gs Interface Specifications - Addendum 1 (reaffirmation of ANSI/TIA 136-377-B-1-2008)

BSR/TIA 136-410-1-2001 (R201x), TDMA Cellular PCS - Enhanced Full-Rate Voice Codec- Addendum 1 (reaffirmation of ANSI/TIA 136-410-1-2001 (R2003))

BSR/TIA 4966-201x, Telecommunications Infrastructure Standard for Educational Facilities (new standard)

BSR/TIA/EIA 136-100-B-2000 (R201x), TDMA Third Generation Wireless - Introduction to Channels (reaffirmation of ANSI/TIA/EIA 136-100-B-2000 (R2004))

BSR/TIA/EIA 136-122-B-2000 (R201x), TDMA Third Generation Wireless - Digital Control Channel Layer 2 (reaffirmation of ANSI/TIA/EIA 136-122-B-2000 (R2004))

BSR/TIA/EIA 136-150-B-2000 (R201x), TDMA Third Generation Wireless - Analog Voice Channel (reaffirmation of ANSI/TIA/EIA 136-150-B-2000 (R2004))

BSR/TIA/EIA 136-220-2000 (R201x), TDMA Third Generation Wireless - VSELP Minimum Performance (reaffirmation of ANSI/TIA/EIA 136-220-2000 (R2004))

BSR/TIA/EIA 136-230-2000 (R201x), TDMA Third Generation Wireless - Minimum Performance Specifications for US-1 Voice Coder (reaffirmation of ANSI/TIA/EIA 136-230-2000 (R2004))

- BSR/TIA/EIA 136-030-B-1-2005 (R201x), TDMA Third Generation Wireless - R-UIM Overview and Operation - Addendum 1 (reaffirmation of ANSI/TIA/EIA 136-030-B-1-2005)
- BSR/TIA/EIA 136-310-A-2000 (R201x), TDMA Third Generation Wireless - Radio Link Protocol -1 (reaffirmation of ANSI/TIA/EIA 136-310-A-2000 (R2004))
- BSR/TIA/EIA 136-320-2000 (R201x), TDMA Third Generation Wireless - Radio Link Protocol -2 (reaffirmation of ANSI/TIA/EIA 136-320-2000 (R2004))
- BSR/TIA/EIA 136-330-2000 (R201x), TDMA Third Generation Wireless - Packet Data Service Overview (reaffirmation of ANSI/TIA/EIA 136-330-2000 (R2004))
- BSR/TIA/EIA 136-331-2000 (R201x), TDMA Third Generation Wireless - Packet Data Service - 136+ Physical Layer (reaffirmation of ANSI/TIA/EIA 136-331-2000 (R2004))
- BSR/TIA/EIA 136-332-2000 (R201x), TDMA Third Generation Wireless - Packet Data Service - 136+ Medium Access Control (reaffirmation of ANSI/TIA/EIA 136-332-2000 (R2004))
- BSR/TIA/EIA 136-333-2000 (R201x), TDMA Third Generation Wireless - Packet Data Service - Logical-Link Control (reaffirmation of ANSI/TIA/EIA 136-333-2000 (R2004))
- BSR/TIA/EIA 136-334-2000 (R201x), TDMA Third Generation Wireless - Packet Data Service - Subnetwork Dependent Convergence Protocol (reaffirmation of ANSI/TIA/EIA 136-334-2000 (R2004))
- BSR/TIA/EIA 136-335-2000 (R201x), TDMA Third Generation Wireless - Packet Data Service - Radio Resource Management (reaffirmation of ANSI/TIA/EIA 136-335-2000 (R2004))
- BSR/TIA/EIA 136-336-2000 (R201x), TDMA Third Generation Wireless - Packet Data Service - Mobility Management (reaffirmation of ANSI/TIA/EIA 136-336-2000 (R2004))
- BSR/TIA/EIA 136-337-2000 (R201x), TDMA Third Generation Wireless - Packet Data Service - Tunneling of Signaling Messages (reaffirmation of ANSI/TIA/EIA 136-337-2000 (R2004))
- BSR/TIA/EIA 136-340-2000 (R201x), TDMA Third Generation Wireless - Packet Data Service - 136HS Outdoor Overview (reaffirmation of ANSI/TIA/EIA 136-340-2000 (R2004))
- BSR/TIA/EIA 136-341-2000 (R201x), TDMA Third Generation Wireless - Packet Data Service - 136HS Outdoor Physical Layer (reaffirmation of ANSI/TIA/EIA 136-341-2000 (R2004))
- BSR/TIA/EIA 136-342-2000 (R201x), TDMA Third Generation Wireless - Packet Data Service - 136HS Outdoor RLC/MAC (reaffirmation of ANSI/TIA/EIA 136-342-2000 (R2004))
- BSR/TIA/EIA 136-360-2000 (R201x), TDMA Third Generation Wireless - Packet Data Service - 136HS Indoor Overview (reaffirmation of ANSI/TIA/EIA 136-360-2000 (R2004))
- BSR/TIA/EIA 136-361-2000 (R201x), TDMA Third Generation Wireless - Packet Data Service - 136HS Indoor Physical Layer (reaffirmation of ANSI/TIA/EIA 136-361-2000 (R2004))
- BSR/TIA/EIA 136-362-2000 (R201x), TDMA Third Generation Wireless - Packet Data Service - 136HS Indoor RLC/MAC (reaffirmation of ANSI/TIA/EIA 136-362-2000 (R2004))
- BSR/TIA/EIA 136-510-B-2000 (R201x), TDMA Third Generation Wireless - Authentication, Encryption of Signaling Information User Data and Privacy (reaffirmation of ANSI/TIA/EIA 136-510-B-2000 (R2004))
- BSR/TIA/EIA 136-511-A-2000 (R201x), TDMA Third Generation Wireless - Messages Subject to Encryption (reaffirmation of ANSI/TIA/EIA 136-511-A-2000 (R2004))
- BSR/TIA/EIA 136-900-2000 (R201x), TDMA Third Generation Wireless - Introduction to Annexes/Appendices (reaffirmation of ANSI/TIA/EIA 136-900-2000 (R2004))
- BSR/TIA/EIA 136-932-2000 (R201x), TDMA Third Generation Wireless - Packet Data Services - Stage 2 Description (reaffirmation of ANSI/TIA/EIA 136-932-2000 (R2004))
- BSR/TIA/EIA 136-310-A-1-2001 (R201x), TDMA Third Generation Wireless - Radio Link Protocol - 1, Addendum 1 (reaffirmation of ANSI/TIA/EIA 136-310-A-1-2001 (R2004))

# 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 Addendum 55g-2013, Thermal Environmental Conditions for Human Occupancy (addenda to ANSI/ASHRAE Standard 55-2010): 2/27/2013
- ANSI/ASHRAE Addendum 62.2u-2013, Ventilation and Acceptable Indoor Air Quality in Low-Rise Residential Buildings (addenda to ANSI/ASHRAE Standard 62.2-2010): 2/28/2013
- ANSI/ASHRAE/IES Addendum v to Standard 90.1-2013, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IESNA Standard 90.1-2010): 2/28/2013
- ANSI/ASHRAE/USGBC/IES Addendum 189.1j-2013, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/USGBC/IES Standard 189.1-2011): 2/28/2013
- ANSI/ASHRAE/USGBC/IES Addendum 189.1k-2013, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/USGBC/IES Standard 189.1-2011): 2/28/2013
- ANSI/ASHRAE/USGBC/IES Addendum y to Standard 189.1-2013, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/USGBC/IES 189.1-2011): 2/28/2013

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

### Reaffirmation

- ANSI/ASSE A10.40-2007 (R2013), Reduction of Musculoskeletal Problems in Construction (reaffirmation of ANSI ASSE A10.40-2007): 3/4/2013

### Revision

- ANSI/ASSE A10.5-2013, Safety Requirements for Material Hoists (revision of ANSI/ASSE A10.5-2006): 2/28/2013
- ANSI/ASSE A10.9-2013, Concrete and Masonry Work Safety Requirements (revision of ANSI/ASSE A10.9-1997 (R2004)): 2/28/2013
- ANSI/ASSE A10.38-2013, Basic Elements of an Employer's Program to Provide a Safe and Healthful Work Environment (revision of ANSI/ASSE A10.38-2000 (R2007)): 3/5/2013

## ASSE (ASC Z359) (American Society of Safety Engineers)

### Revision

- ANSI/ASSE Z359.4-2013, Safety Requirements for Assisted-Rescue and Self-Rescue Systems, Subsystems and Components (revision of ANSI/ASSE Z359.4-2007): 2/28/2013

## ASTM (ASTM International)

### Reaffirmation

- ANSI/ASTM D3212-2007 (R2013), Specification for Joints for Drain and Sewer Plastic Pipes Using Flexible Elastomeric Seals (reaffirmation of ANSI/ASTM D3212-2007): 2/26/2013
- ANSI/ASTM F2510/F2510M-2007 (R2013), Specification for Resilient Connectors between Reinforced Concrete Manhole Structures and Corrugated High Density Polyethylene Drainage Pipes (reaffirmation of ANSI/ASTM F2510/F2510M-2007): 2/26/2013
- ANSI/ASTM F2658-2007 (R2013), Specification for Type PSM Poly (Vinyl Chloride) (PVC) SDR 51 and SDR 64 Sewer Pipe and Fittings (reaffirmation of ANSI/ASTM F2658-2007): 2/26/2013

### Revision

- ANSI/ASTM D2467-2013, Specification for Poly(Vinyl Chloride) (PVC) Plastic Pipe Fittings, Schedule 80 (revision of ANSI/ASTM D2467-2006): 2/26/2013
- ANSI/ASTM D2513-2013, Specification for Polyethylene (PE) Gas Pressure Pipe, Tubing, and Fittings (revision of ANSI/ASTM D2513-2012): 2/26/2013
- ANSI/ASTM D2633-2013, Test Methods for Thermoplastic Insulations and Jackets for Wire and Cable (revision of ANSI/ASTM D2633-2008): 2/26/2013
- ANSI/ASTM F412-2013, Terminology Relating to Plastic Piping Systems (revision of ANSI/ASTM F412-2012): 2/26/2013
- ANSI/ASTM F1055-2013, Specification for Electrofusion Type Polyethylene Fittings for Outside Diameter Controlled Polyethylene and Crosslinked Polyethylene (PEX) Pipe and Tubing (revision of ANSI/ASTM F1055-2012): 2/26/2013
- ANSI/ASTM F1163-2013, Specification for Protective Headgear Used in Horse Sports and Horseback Riding (revision of ANSI/ASTM F1163-2011): 3/1/2013
- ANSI/ASTM F1733-2013, Specification for Butt Heat Fusion Polyamide (PA) Plastic Fitting for Polyamide (PA) Plastic Pipe and Tubing (revision of ANSI/ASTM F1733-2007): 3/1/2013
- ANSI/ASTM F1973-2013, Specification for Factory Assembled Anodeless Risers and Transition Fittings in Polyethylene (PE) and Polyamide 11 (PA11) and Polyamide 12 (PA12) Fuel Gas Distribution Systems (revision of ANSI/ASTM F1973-2012): 3/1/2013
- ANSI/ASTM F2145-2013, Specification for Polyamide 11 (PA11) and Polyamide 12 (PA12) Mechanical Fittings for Use on Outside Diameter Controlled Polyamide 11 and Polyamide 12 Pipe and Tubing (revision of ANSI/ASTM F2145-2009): 3/1/2013

**NEMA (ASC C8) (National Electrical Manufacturers Association)**

***New Standard***

ANSI/NEMA HP 6-2013, Electrical and Electronic Silicone and Silicone Braided Insulated, Hook-Up Wire, Types S (600V), ZHS (600V), SS (1000V), ZHSS (1000V), SSB Braided (1000V) (new standard): 3/4/2013

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

***Reaffirmation***

ANSI IT8.6-2002 (R2013), Graphic technology - Prepress digital data exchange - Diecutting data (DDES3) (reaffirmation of ANSI IT8.6-2002 (R2007)): 3/6/2013

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

***Revision***

ANSI/UL 634-2013, Standard for Safety for Connectors and Switches for Use with Burglar-Alarm Systems (revision of ANSI/UL 634-2007): 3/4/2013

ANSI/UL 870-2013, Wireways, Auxiliary Gutters, and Associated Fittings (revision of ANSI/UL 870-2008): 2/27/2013

ANSI/UL 1077-2013, Standard for Safety for Supplementary Protectors for Use in Electrical Equipment (revision of ANSI/UL 1077-2009): 2/27/2013

ANSI/UL 1776-2013, Standard for Safety for High-Pressure Cleaning Machines (Bulletin dated October 26, 2012) (revision of ANSI/UL 1776-2010): 2/28/2013

\* ANSI/UL 2075-2013, Standard for Safety for Gas and Vapor Detectors and Sensors (revision of ANSI/UL 2075-2007): 3/5/2013

# 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](http://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.

## ADA (American Dental Association)

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BSR/ADA Specification No. 119-201x, Manual Toothbrushes (national adoption of ISO 20126:2012 and ISO 22254:2005 with modifications and revision of ANSI/ADA Specification No. 119-2008)

Stakeholders: Manufacturers, consumers, dental researchers.

Project Need: To update the national standard to align with the most recent ISO standards.

This standard describes requirements and test methods for the physical properties of manual toothbrushes in order to promote the safety of these products for their intended use. Also specified is a test method for determining the resistance of the tufted portion of manual toothbrushes to deflection. This test method is applicable to toothbrushes having a conventional, flat trim design and may not be applicable to toothbrushes with other designs.

## AIIM (Association for Information and Image Management)

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BSR/AIIM/CGATS/ISO 19005-1-2005 (R201x), Document Management - Electronic Document File Format for Long-Term Preservation - Part 1: Use of PDF 1.4 (PDF/A-1) (reaffirmation of ANSI/AIIM/CGATS/ISO 19005-1-2005)

Stakeholders: Records manager, archivists, PDF software developers.

Project Need: Provides a mechanism for representing documents in a manner that preserves their visual appearance over time, independent of the tools and systems used for creating, storing, or rendering the files

This part of ANSI/CGATS/AIIM/ISO 19005 specifies how to use the Portable Document Format (PDF) 1.4 for long-term preservation of electronic documents. It is applicable to documents containing combinations of character, raster and vector data.

## ANS (American Nuclear Society)

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BSR/ANS 15.4-201x, Selection and Training of Personnel for Research Reactors (revision of ANSI/ANS 15.4-2007)

Stakeholders: Owners and operators of non-power reactors, regulatory and other agencies.

Project Need: An update of medical requirements, inclusion of a medical examination template, clarification of the quality of medical records, disclosure of medical records, and reconciling use of a biennial interval with intervals described in months or years.

This standard sets the qualification, training, and certification criteria for operations personnel at research reactors and establishes the elements of a program for periodic re-qualification and re-certification. The standard is predicated on levels of responsibility rather than on a particular organizational concept.

## APCO (Association of Public-Safety Communications Officials-International)

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BSR/APCO ANS 1.113.1-201x, Public Safety Communications Call Handling Process (new standard)

Stakeholders: Public Safety Communications users, producers, and general interest.

Project Need: The need for a standard to define the call-handling process from the initiation of any call to a public-safety communications center whereby there is an expectation of services delivery from the agency. The call delivery may come from several sources but starts with the delivery mechanism, continues with the triage of the service request to the dissemination and point of closure for call handling.

The standard will take the call handling process from its root. Starting with the call delivery mechanism of equipment that can affect the call-handling initiation, it will continue to the actual triage of the call to its dissemination. The goal is to bring the call-handling process into full circle from the initiation of the call through the caller triage and finally into the dissemination of information. This will include the continued support of responders through the dissemination portion.



BSR/APCO ANS 1.114.1-201x, APCO Recommended Best Practices for PSAPs When Processing Vehicle Telematics Calls from Telematics Service Providers (new standard)

Stakeholders: Public Safety Communications users, producers, and general interest.

Project Need: Telematics Service Providers (TSPs) offer a wide variety of programs to vehicle owners, including location-based services and automatic collision notification. Many of these services impact public safety. Today, Public Safety Answering Points (PSAPs) receive consumer-initiated requests for emergency assistance which are routed through a TSP. The TSP will, in most cases, be located far away from the jurisdiction in which the incident occurs.

This document is intended to provide clear guidelines for PSAP personnel in the handling of vehicle telematics and Advanced Automatic Crash Notification (AACN) calls from TSPs and updates the information the telematics operator is expected to provide. It also contains updated TSP contact information, escalation procedures and a glossary of terms that clarifies new in-vehicle technologies. It does not define local response procedures or protocols, allowing each agency to establish appropriate call handling and dispatch policies.

#### **ASABE (American Society of Agricultural and Biological Engineers)**

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BSR/ASAE S397.4 MONYEAR-201x, Electrical Service and Equipment for Irrigation (revision and redesignation of ANSI/ASAE S397.3 -2007)

Stakeholders: Irrigation equipment manufacturers, dealers, and installers; electric power suppliers; electricians; electrical inspectors; and consultants.

Project Need: Periodic review of the standard identified the need to update the references within the standard and to correct typos.

The purpose of this Standard is to provide a common document for use by all those involved in electrical irrigation systems; such as electricians, power suppliers, well drillers, irrigation dealers and manufacturers, extension specialists and irrigators. This Standard applies to three-phase, 240 V or 480 V service, the most commonly used irrigation service voltages for irrigation pump motors, irrigation machines, and auxiliary equipment.

#### **ASTM (ASTM International)**

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BSR/ASTM WK41067-201x, New Practice for Thermoplastic Pipe Butt Fusion Operator Qualification (new standard)

Stakeholders: Joining industry.

Project Need: To provide guidance for the training, assessment, and approval of fusion operators in order to establish and maintain competency in the construction of thermoplastic piping systems.

<http://www.astm.org/DATABASE.CART/WORKITEMS/WK41067.htm>

BSR/ASTM WK41069-201x, New Practice for Datalogging (recording) the procedure used in producing butt fusion joints in plastic piping systems (new standard)

Stakeholders: Joining industry.

Project Need: To identify what data needs to be recorded and reported on butt-fusion joints and how to compare this information to existing joining requirements.

<http://www.astm.org/DATABASE.CART/WORKITEMS/WK41069.htm>

BSR/ASTM WK41077-201x, New Specification for Butt Fusion Equipment for Joining Thermoplastic Pipe and Fittings (new standard)

Stakeholders: Joining industry.

Project Need: To identify the general characteristics of, and performance requirements for, equipment for butt-fusion joining of thermoplastic piping systems.

<http://www.astm.org/DATABASE.CART/WORKITEMS/WK41077.htm>

#### **ATIS (Alliance for Telecommunications Industry Solutions)**

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BSR ATIS 0600015.09-201x, Energy Efficiency for Telecommunications Equipment: Methodology for Measurement and Reporting for Power Systems, DC/DC Converters (new standard)

Stakeholders: Communications industry.

Project Need: Create a new TEER standard, Energy Efficiency for Telecommunications Equipment: Methodology for Measurement and Reporting - Power Systems, DC/DC Converters.

Create a new TEER standard, Energy Efficiency for Telecommunications Equipment: Methodology for Measurement and Reporting - Power Systems, DC/DC Converters.

BSR ATIS 0600015.10-201x, Energy Efficiency for Telecommunications Equipment: Methodology for Measurement and Reporting for Power Systems, DC/AC Inverters (new standard)

Stakeholders: Communications industry.

Project Need: Create a new TEER standard, Energy Efficiency for Telecommunications Equipment: Methodology for Measurement and Reporting - Power Systems, DC/AC Inverters.

Create a new TEER standard, Energy Efficiency for Telecommunications Equipment: Methodology for Measurement and Reporting - Power Systems, DC/AC Inverters.

BSR ATIS 0600015.11-201x, Energy Efficiency for Telecommunications Equipment: Methodology for Measurement and Reporting for Power Systems, UPS (new standard)

Stakeholders: Communications industry.

Project Need: Create a new TEER standard, Energy Efficiency for Telecommunications Equipment: Methodology for Measurement and Reporting - Power Systems, UPS.

Create a new TEER standard, Energy Efficiency for Telecommunications Equipment: Methodology for Measurement and Reporting - Power Systems, UPS.

BSR ATIS 1000055-201x, Emergency Telecommunications Service (ETS): Core Network Security Requirements (new standard)

Stakeholders: Communications industry.

Project Need: To allow network provided security of end-to-end ETS communications in a multiprovider environment, intranetwork domain and internetwork domain security requirements for ETS protection are needed.

The integrity, confidentiality and availability of Emergency Telecommunication Service (ETS) in a multiprovider Next Generation Network (NGN) environment will depend on the security of each individual network involved in an end-to-end communication. To allow network-provided security of end-to-end ETS communications in a multiprovider environment, intranetwork domain and internetwork domain security requirements for ETS protection are needed. This ATIS standard provides minimum security requirements for the security protection of ETS in a multi-provider Next Generation Network (NGN) environment.

BSR/ATIS 0600015.01-201x, Energy Efficiency for Telecommunication Equipment: Methodology for Measurement and Reporting -- Server Requirements (revision of ANSI/ATIS 0600015.01-2009)

Stakeholders: Communications industry.

Project Need: To define how to measure the Telecommunications Energy Efficiency Ratio (TEER) of a server or server blade.

This document defines how to measure the Telecommunications Energy Efficiency Ratio (TEER) of a server or server blade. The standard will also provide requirements for how equipment vendors shall respond to a TEER request based on a specific application description by making use of relevant data from internal and independent test reports.

BSR/ATIS 0600015.06-201x, Energy Efficiency for Telecommunication Equipment: Methodology for Measurement and Reporting of Radio Base Station Metrics (revision of ANSI/ATIS 0600015.06-2011)

Stakeholders: Communications industry.

Project Need: To the Telecommunications Energy Efficiency Ratio (TEER) metric for a Radio Base Station.

In a wireless access network, the Radio Base Stations (RBS) have the highest cumulative energy consumption because of the large number of RBSs in a network. This document defines the Telecommunications Energy Efficiency Ratio (TEER) metric for a Radio Base Station. The TEER metric addresses RBS throughput per Watt of input power drawn by the RBS. With the application of this standard, the user will report the TEER metric as well as the required information within the reporting forms. This document also provides a RF Power Efficiency ratio within the measurement procedures. The testing methodology to obtain the data that contributes to the TEER metric is also addressed.

BSR/ATIS 1000023-201x, ETS Network Element Requirements for A NGN IMS Based Deployments WRONG PROJ INTENT SYNTAXANSI/ATIS 1000023-2008)

Stakeholders: Communications industry.

Project Need: This document defines network element requirements to ensure that Emergency Telecommunications Service (ETS) is implementable and interoperable in a multivendor environment for an NGN IMS-based network deployment.

This document defines network element requirements to ensure that Emergency Telecommunications Service (ETS) is implementable and interoperable in a multivendor environment for an NGN IMS-based network deployment.

#### **NEMA (ASC C29) (National Electrical Manufacturers Association)**

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BSR C29.2A-201x, Insulators - Wet-Process and Toughened Glass - Distribution Suspension Type (new standard)

Stakeholders: Manufacturers, electric power utility companies, public utilities, high-voltage electric transmission systems.

Project Need: Need for a separate standard on wet process porcelain and toughened glass distribution suspension type insulators.

This standard covers distribution suspension-type insulators, 4-1/4 inches (108 millimeters) to 8 inches (203 millimeters) in diameter, made of wet-process porcelain or of toughened glass and used in the distribution of electrical energy.

BSR C29.2B-201x, Insulators - Wet Process Porcelain and Toughened Glass - Transmission Suspension Type (new standard)

Stakeholders: Manufacturers, electric power utility companies, public utilities, high-voltage electric transmission systems.

Project Need: Need for a separate standard on wet-process porcelain and toughened glass-transmission suspension type insulators.

This standard covers transmission suspension-type insulators, 9 inches (228.6 millimeters) in diameter and larger, made of wet-process porcelain or of toughened glass and used in the transmission of electrical energy.

#### **NEMA (ASC C8) (National Electrical Manufacturers Association)**

**Office:** 1300 North 17th Street, Suite 1752  
Rosslyn, VA 22209

**Contact:** Ryan Franks

**Fax:** 703-841-3371

**E-mail:** ryan.franks@nema.org

BSR/ICEA T-24-380-201x, Standard for Partial Discharge Test Procedure (revision of ANSI ICEA T-24-380-2007)

Stakeholders: Producers, users, and consultants in the insulated cable industry.

Project Need: This project is a revision to update an existing standard according to established guidelines.

This Factory Test Procedure applies to the detection and measurement of partial discharges occurring in the following solid dielectric cables; single-conductor-shielded cables and assemblies and multiple-conductor cables with individually shielded conductors within an outer covering.

**PLASA (PLASA North America)**

**Office:** 630 Ninth Avenue, Suite 609  
New York, NY 10036-3748

**Contact:** Karl Ruling

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

**E-mail:** karl.ruling@plasa.org

BSR E1.17-201x, Entertainment Technology - Architecture for Control Networks (revision of ANSI E1.17-2010)

Stakeholders: Lighting control equipment manufacturers, specifiers, dealers and users.

Project Need: EPI 19, ACN Discovery on IP Networks, needs revision to work more efficiently.

E1.17 is a suite of documents that specifies an architecture, protocols, and language that may be combined with other protocols to form flexible, networked audio, lighting, or other control systems.

BSR E1.31-201x, Lightweight streaming protocol for transport of DMX512 using ACN (revision of ANSI E1.31-2009)

Stakeholders: Entertainment lighting control equipment manufacturers, specifiers, dealers, rental companies, and users.

Project Need: Add the feature of DMX universe synchronization.

E1.31 provides a very simple protocol that offers functionality comparable to proprietary DMX over Ethernet protocols while being compatible with the E1.17 suite of protocols.

**TIA (Telecommunications Industry Association)**

**Office:** 1320 North Courthouse Road  
Suite 200  
Arlington, VA 22201

**Contact:** Teesha Jenkins

**Fax:** (703) 907-7727

**E-mail:** standards@tiaonline.org

BSR/TIA 136-033-A-201x, TDMA Third Generation Wireless - R-UIM File Structure (new standard)

Stakeholders: Manufacturers, carriers.

Project Need: Create new standard.

This document defines the coding of the EFs specified in the R-UIM file structure in TIA/EIA 136-030.

BSR/TIA 136-034-A-201x, TDMA Third Generation Wireless - R-UIM - ME Interface Procedures (new standard)

Stakeholders: Manufacturers, carriers.

Project Need: Create new standard.

This document establishes the interface functions and commands and application protocols required for operation of the Removable User Identity Module (R-UIM), when inserted into compatible Mobile Equipment (ME). It is an extension of Subscriber Identity Module (SIM), as specified in ETSI GSM 11.11 capabilities, to enable operation in a TIA/EIA 136 environment.

BSR/TIA 136-037-A-201x, TDMA Third Generation Wireless - R-UIM Application Toolkit (new standard)

Stakeholders: Manufacturers, carriers.

Project Need: Create new standard.

This part describes the interface between the Mobile Equipment (ME) and the Removable User Identity Module (R-UIM) for the R-UIM Application Toolkit (RAPT). The RAPT builds upon the basic R-UIM/ME interface (see TIA/EIA 136-030) to provide a set of mechanisms necessary for TIA/EIA 136 applications. This part incorporates by reference and augments sections from GSM 11.14 (SIM Application Toolkit) necessary for TIA/EIA 136 operation.

BSR/TIA 136-271-201x, TDMA Third Generation Wireless - Mobile Stations Minimum Performance for Global Circulation (new standard)

Stakeholders: Manufacturers, carriers.

Project Need: Create new standard.

This standard details definitions, methods of measurement, and minimum performance requirements for 2-GHz Wireless mobile stations. Unless otherwise stated, these requirements apply only to digital operation, within the regulatory mandates of the European Union "Electromagnetic compatibility and Radio spectrum Matters (ERM); Base stations (BS) and user equipment (UE) for IMT-2000 Third Generation cellular networks; Part 8: Harmonized EN for IMT-2000 TDMA Single Carrier (UWC 136) (UE)" covering essential requirements of article 3.2 of the R&TTE Directive.

BSR/TIA 136-280-D-201x, TDMA Third Generation Wireless - Base Stations Minimum Performance (new standard)

Stakeholders: Manufacturers, carriers.

Project Need: Create new standard.

This standard details definitions, methods of measurement, and minimum performance requirements for 800- and 1900-MHz wireless base stations. Unless otherwise stated, the same requirements apply to both 800-MHz and 1900-MHz digital operation. These standards share the purpose of the other parts of TIA/EIA 136 (and subsequent revisions thereof) of assuring that wireless systems in conjunction with their base station equipment provide service to any mobile station (MS) that meets the compatibility requirements of TIA/EIA 136.

BSR/TIA 136-350-C-201x, TDMA Third Generation Wireless - Data Service Control (new standard)

Stakeholders: Manufacturers, carriers.

Project Need: Create new standard.

This standard specifies Data-Service Control (DSC) for TDMA wireless systems.

BSR/TIA 136-610-B-201x, TDMA Third Generation Wireless - R-DATA/SMDPP Transport (new standard)

Stakeholders: Manufacturers, carriers.

Project Need: Create new standard.

R-DATA and SMDPP (Short Message Delivery - Point-to-Point) are the messages that are used for information transfer through the TIA/EIA 136 air interface and the TIA/EIA 41 network interface. The purpose of this chapter is to demonstrate the transport of R-DATA messages through the TIA/EIA 41 SMDPP and vice-versa. Figure 1 illustrates the network model for information transfer between the air and network interfaces.

BSR/TIA 136-700-D-201x, TDMA Third Generation Wireless - Introduction to Teleservices (new standard)

Stakeholders: Manufacturers, carriers.

Project Need: Create new standard.

A teleservice is a mechanism for information delivery from a source to a destination through a BMI. The source may be a mobile station or a Teleservice Server (TS). A teleservice may be delivered in point-to-point mode or broadcast mode. It may be text based, such as Cellular Messaging Teleservice (CMT), or it may be coded information destined for the mobile station's storage and use, such as Over-the-Air Activation Teleservice (OATS) and Over-the-Air Programming Teleservice (OPTS). The information delivered from the source to the destination is known as user data.

BSR/TIA 136-710-C-201x, TDMA Third Generation Wireless - Short Message Service - Cellular Messaging Teleservice (new standard)

Stakeholders: Manufacturers, carriers.

Project Need: Create new standard.

The Higher Layer Protocol Data Unit field in the R-DATA Unit information element is used to carry the Short Message Service (SMS) Cellular Messaging Teleservice (CMT) messages when the Higher Layer Protocol Identifier indicates Point-to-Point SMS.

BSR/TIA 136-711-201x, TDMA Third Generation Wireless - GSM Hosted SMS Teleservice (GHOST) (new standard)

Stakeholders: Manufacturers, carriers.

Project Need: Create new standard.

GSM Hosted SMS Teleservice, GHOST, is used to deliver GSM SMS Protocol Data Units (PDUs) to and from a mobile station operating in a TIA/EIA 136 network. The Higher Layer Protocol Data Unit field in the R-DATA Unit information element is used to carry the GSM SMS PDUs when the Higher Layer Protocol Identifier indicates GHOST. Refer to GSM 03.40 and GSM 04.11 for a full description of the GSM SMS PDUs.

BSR/TIA 136-741-201x, TDMA Third Generation Wireless - System Assisted Mobile Positioning Through Satellite (SAMPS) for Analog Systems (new standard)

Stakeholders: Manufacturers, carriers.

Project Need: Create new standard.

The System Assisted Mobile Positioning through Satellite (SAMPS) Teleservice defines the procedures and signaling for a handset-based positioning service. SAMPS supports various location-based services. SAMPS addresses subscriber-positioning requirements in TIA/EIA 136 based networks and TIA/EIA-553-A based networks by utilizing the existing Global Positioning System (GPS) infrastructure. SAMPS utilizes the data and signaling capabilities of TIA/EIA 136 and this specification to enhance the performance of GPS-equipped Mobile Stations (MSs) by providing "GPS assistance".

BSR/TIA 136-270-C-1-201x, TDMA Third Generation Wireless - Mobile Stations Minimum Performance Addendum 1 (new standard)

Stakeholders: Manufacturers, carriers.

Project Need: Create new standard.

This standard details definitions, methods of measurement, and minimum performance requirements for 800-MHz and 1900-MHz Wireless mobile stations. Unless otherwise stated, the same requirements apply to both 800-MHz and 1900-MHz digital operation. These standards defined herein share the purpose of assuring that a mobile station can obtain service in any network that meets the compatibility requirements of TIA/EIA 1362.

BSR/TIA 136-350-A-1-201x, TDMA Third Generation Wireless - Data Service Control Addendum 1 (new standard)

Stakeholders: Manufacturers, carriers.

Project Need: Create new standard.

This addendum specifies changes to TIA/EIA 136-350-A, Data-Service Control (DSC) for TDMA wireless systems. The changes are captured in a single SDL diagram. The changes in the SDL diagram for this addendum are rendered in blue. A yellow "sticky" is also used to highlight to the change.

BSR/TIA 136.720-C-201x, TDMA Third Generation Wireless - Over-the-Air Activation Teleservice (OATS) (new standard)

Stakeholders: Manufacturers, carriers.

Project Need: Create new standard.

This section describes a Teleservice that is designed to support Over-the-Air Activation (OTA). The Over-the-Air Activation Teleservice (OATS) supports data exchange between a mobile station and a Customer Service Center (CSC)/Over-the-Air Activation Function (OTAF). The data is organized in a specific format referred to as OATS messages (see Section 6). OATS is a Teleservice that can be performed either on a DTC or a DCCH.

BSR/TIA 136.730-A-201x, TDMA Third Generation Wireless - Over-the-Air Programming Teleservice (OPTS) (new standard)

Stakeholders: Manufacturers, carriers.

Project Need: Create new standard.

This section describes a teleservice that is designed to support downloading of non-NAM programming information to an MS; an example of non-NAM programming information is that information to support Intelligent Roaming (IR). The Over-the-Air Programming Teleservice (OPTS) provides a sequence of messages exchanged between the Over-the-Air Service Provisioning Function (OTAF) and the MS for the delivery of information. OPTS is a Teleservice that can be performed either on a DTC or a DCCH.

BSR/TIA 136.760-A-201x, TDMA Third Generation Wireless - Charge-Rate Indication Teleservice (CIT) (new standard)

Stakeholders: Manufacturers, carriers.

Project Need: Create new standard.

The Higher Layer Protocol Data Unit field in the R-Data Unit information element is used to carry the Charge Indication Teleservice (CIT) messages when the Higher Layer Protocol Identifier indicates Charge Indication Teleservice. It should be noted that network support for CIT operation is beyond the scope of this document.

BSR/TIA 136.910-C-201x, TDMA Third Generation Wireless - Informative Information (new standard)

Stakeholders: Manufacturers, carriers.

Project Need: Create new standard.

This chapter is provided for information only. It provides a brief example of a MS 5 Terminated SMS, without mobile station user acknowledgment.

BSR/TIA 455-122-A-201x, FOTP-122 Polarization Mode Dispersion Measurement for Single Mode Optical Fibers by Stokes Parameter Evaluation (new standard)

Stakeholders: Telecommunications optical fiber manufacturers, developers, and users.

Project Need: This test method describes a procedure for measuring the polarization-mode dispersion (PMD) of single-mode optical fibers. The measurement result is obtained from a single series of Stokes parameter measurements performed at intervals across a wavelength range. It can be applied to both short and long fibers, regardless of the degree of polarization mode coupling.

This test method describes a procedure for measuring the polarization-mode dispersion (PMD) of single-mode optical fibers. The measurement result is obtained from a single series of Stokes parameter measurements performed at intervals across a wavelength range. It can be applied to both short and long fibers, regardless of the degree of polarization mode coupling.

# 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](http://www.ansi.org), select Internet Resources, click on "Standards Information," and see "American National Standards Maintained Under Continuous Maintenance". This information is also available directly at [www.ansi.org/publicreview](http://www.ansi.org/publicreview).

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

## 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](mailto:standact@ansi.org).

<p><b>AAMI</b> Association for the Advancement of Medical Instrumentation (AAMI) 4301 N Fairfax Drive Suite 301 Arlington, VA 22203-1633 Phone: (703) 253-8263 Fax: (703) 276-0793 Web: <a href="http://www.aami.org">www.aami.org</a></p>	<p><b>ASHRAE</b> 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: <a href="http://www.ashrae.org">www.ashrae.org</a></p>	<p><b>ITI (INCITS)</b> InterNational Committee for Information Technology Standards 1101 K Street NW, Suite 610 Washington, DC 20005 Phone: (202) 626-5743 Fax: (202) 638-4922 Web: <a href="http://www.incits.org">www.incits.org</a></p>	<p><b>PLASA</b> PLASA North America 630 Ninth Avenue, Suite 609 New York, NY 10036-3748 Phone: (212) 244-1505 Fax: (212) 244-1502 Web: <a href="http://www.plasa.org">www.plasa.org</a></p>
<p><b>ADA (Organization)</b> American Dental Association 211 E. Chicago Ave Chicago, IL 60611 Phone: (312) 440-2533 Fax: (312) 440-2529 Web: <a href="http://www.ada.org">www.ada.org</a></p>	<p><b>ASME</b> American Society of Mechanical Engineers Two Park Avenue New York, NY 10016 Phone: (212) 591-8521 Fax: (212) 591-8501 Web: <a href="http://www.asme.org">www.asme.org</a></p>	<p><b>NCPDP</b> National Council for Prescription Drug Programs 9240 East Raintree Drive Scottsdale, AZ 85260 Phone: (512) 291-1356 Fax: (480) 767-1042 Web: <a href="http://www.ncdp.org">www.ncdp.org</a></p>	<p><b>RVIA</b> Recreational Vehicle Industry Association 1896 Preston White Drive P.O. Box 2999 Reston, VA 20191-4363 Phone: (703) 620-6003 Fax: (703) 620-5071 Web: <a href="http://www.rvia.org">www.rvia.org</a></p>
<p><b>AIIM</b> Association for Information and Image Management 1100 Wayne Avenue, Suite 1100 Silver Spring, MD 20910 Phone: (301) 755-2682 Fax: (240) 494-2682 Web: <a href="http://www.aiim.org">www.aiim.org</a></p>	<p><b>ASSE (Safety)</b> American Society of Safety Engineers 1800 East Oakton Street Des Plaines, IL 60018-2187 Phone: (847) 768-3411 Fax: (847) 296-9221 Web: <a href="http://www.asse.org">www.asse.org</a></p>	<p><b>NEMA (ASC C29)</b> National Electrical Manufacturers Association 1300 North 17th Street, Suite 1752 Rosslyn, VA 22209 Phone: (703) 841-3297 Fax: 703-841-3397 Web: <a href="http://www.nema.org">www.nema.org</a></p>	<p><b>SCTE</b> Society of Cable Telecommunications Engineers 140 Philips Rd. Exton, PA 19341 Phone: (610) 594-7308 Fax: (610) 363-7133 Web: <a href="http://www.scte.org">www.scte.org</a></p>
<p><b>ANS</b> American Nuclear Society 555 North Kensington Avenue La Grange Park, IL 60526 Phone: (708) 579-8269 Fax: (708) 579-8248 Web: <a href="http://www.ans.org">www.ans.org</a></p>	<p><b>ASTM</b> ASTM International 100 Barr Harbor Drive West Conshohocken, PA 19428-2959 Phone: (610) 832-9743 Fax: (610) 834-3655 Web: <a href="http://www.astm.org">www.astm.org</a></p>	<p><b>NEMA (ASC C8)</b> National Electrical Manufacturers Association 1300 North 17th Street, Suite 1752 Rosslyn, VA 22209 Phone: (703) 841-3271 Fax: 703-841-3371 Web: <a href="http://www.nema.org">www.nema.org</a></p>	<p><b>TIA</b> Telecommunications Industry Association 1320 North Courthouse Road Suite 200 Arlington, VA 22201 Phone: (703) 907-7706 Fax: (703) 907-7727 Web: <a href="http://www.tiaonline.org">www.tiaonline.org</a></p>
<p><b>APCO</b> Association of Public-Safety Communications Officials-International 351 N. Williamson Boulevard Daytona Beach, FL 32114-1112 Phone: (919) 625-6864 Fax: (386) 944-2794 Web: <a href="http://www.apcolntl.org">www.apcolntl.org</a></p>	<p><b>ATIS</b> Alliance for Telecommunications Industry Solutions 1200 G Street, NW Suite 500 Washington, DC 20005 Phone: (202) 434-8841 Fax: (202) 347-7125 Web: <a href="http://www.atis.org">www.atis.org</a></p>	<p><b>NEMA (Canvass)</b> National Electrical Manufacturers Association 1300 North 17th Street Suite #1752 Rosslyn, VA 22209 Phone: (703) 841-3297 Web: <a href="http://www.nema.org">www.nema.org</a></p>	<p><b>UL</b> Underwriters Laboratories, Inc. 333 Pfingsten Road Northbrook, IL 60062 Phone: (847) 664-3411 Fax: (847) 664-3411 Web: <a href="http://www.ul.com/">www.ul.com/</a></p>
<p><b>ASABE</b> American Society of Agricultural and Biological Engineers 2950 Niles Road St Joseph, MI 49085 Phone: (269) 932-7015 Fax: (269) 429-3852 Web: <a href="http://www.asabe.org">www.asabe.org</a></p>	<p><b>ECA</b> Electronic Components Association 2214 Rock Hill Road, Suite 170 Herndon, VA 20170 Phone: (571) 323-0294 Fax: (571) 323-0245 Web: <a href="http://www.eciaonline.org">www.eciaonline.org</a></p>	<p><b>NPES (ASC CGATS)</b> NPES 1899 Preston White Drive Reston, VA 20191 Phone: (703) 264-7200 Fax: (703) 620-0994 Web: <a href="http://www.npes.org">www.npes.org</a></p>	



# ISO Draft International Standards

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

## Comments

Comments regarding ISO documents should be sent to Karen Hughes, at ANSI's New York offices (isot@ansi.org). The final date for offering comments is listed after each draft.

## Ordering Instructions

**ISO Drafts can be made available by contacting ANSI's Customer Service department. Please e-mail your request for an ISO Draft to Customer Service at [sales@ansi.org](mailto:sales@ansi.org). When making your request, please provide the date of the Standards Action issue in which the draft document you are requesting appears.**

### **AIRCRAFT AND SPACE VEHICLES (TC 20)**

ISO/DIS 16694, Space systems - The measured parameters at firing bench and flight tests of liquid rocket engines - 6/3/2013, \$77.00

ISO/DIS 16699, Space systems - Disposal of orbital launch stages - 6/3/2013, \$40.00

ISO/DIS 21100, Air cargo unit load devices - Performance requirements and test parameters - 6/3/2013, \$107.00

### **OPTICS AND OPTICAL INSTRUMENTS (TC 172)**

ISO/DIS 10109, Optics and photonics - Guidance for the selection of environmental tests - 6/4/2013, \$62.00

ISO/DIS 17328, Optics and photonics - Optical materials and components - Test method for refractive index of infrared optical materials - 6/3/2013, \$67.00

ISO/DIS 9022-23, Optics and photonics - Environmental test methods - Part 23: Low pressure combined with cold, ambient temperature and dry and damp heat - 6/4/2013, \$62.00

### **OTHER**

ISO/DIS 18211, Non-destructive testing - Long range inspection of above ground pipelines and plant piping using guided wave testing with axial propagation - 6/3/2013, \$62.00

### **PETROLEUM PRODUCTS AND LUBRICANTS (TC 28)**

ISO/DIS 16861, Di-methyl ether (DME) for fuels - Specifications - 6/11/2013

ISO/DIS 17315, Ethanol - Determination of total acidity by potentiometric titration - 6/4/2013, \$40.00

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

ISO/DIS 8820-10, Road vehicles - Fuse-links - Part 10: Fuse-links with tabs Type L (high current miniature) - 5/31/2013, \$58.00

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

ISO/DIS 1823, Rubber hose assemblies for oil suction and discharge service - Specification - 5/31/2013, \$88.00

### **SAFETY OF TOYS (TC 181)**

ISO 8124-1/DAmD1, Safety of toys - Part 1: Safety aspects related to mechanical and physical properties - Amendment 1: Projectiles, rotors and propellers - 6/7/2013, \$71.00

### **TECHNICAL DRAWINGS, PRODUCT DEFINITION AND RELATED DOCUMENTATION (TC 10)**

ISO/DIS 14084-1, Process diagrams for power plants - Part 1: Specification for diagrams - 6/11/2013, \$98.00

ISO/DIS 14084-2, Process diagrams for power plants - Part 2: Graphical symbols - 6/7/2013, \$155.00



# Newly Published ISO Standards

Listed here are new and revised standards recently approved and promulgated by ISO - the International Organization for Standardization. Most are available at the ANSI Electronic Standards Store (ESS) at [www.ansi.org](http://www.ansi.org). All paper copies are available from Standards resellers (<http://webstore.ansi.org/faq.aspx#resellers>).

## AGRICULTURAL FOOD PRODUCTS (TC 34)

ISO 13307:2013, Microbiology of food and animal feed - Primary production stage - Sampling techniques, \$104.00

ISO 6887-6:2013, Microbiology of food and animal feed - Preparation of test samples, initial suspension and decimal dilutions for microbiological examination - Part 6: Specific rules for the preparation of samples taken at the primary production stage, \$80.00

## AIR QUALITY (TC 146)

ISO 16911-1:2013, Stationary source emissions - Manual and automatic determination of velocity and volume flow rate in ducts - Part 1: Manual reference method, \$235.00

ISO 16911-2:2013, Stationary source emissions - Manual and automatic determination of velocity and volume flow rate in ducts - Part 2: Automated measuring systems, \$192.00

## AIRCRAFT AND SPACE VEHICLES (TC 20)

ISO 16049-1:2013, Air cargo equipment - Restraint straps - Part 1: Design criteria and testing methods, \$120.00

## ANAESTHETIC AND RESPIRATORY EQUIPMENT (TC 121)

ISO 7396-1/Amd3:2013, Medical gas pipeline systems - Part 1: Pipeline systems for compressed medical gases and vacuum - Amendment 3: Terminology relating to alarm systems, \$20.00

ISO 10524-3/Amd1:2013, Pressure regulators for use with medical gases - Part 3: Pressure regulators integrated with cylinder valves - Amendment 1: Filtration and information to be supplied by the manufacturer, \$20.00

## APPLICATIONS OF STATISTICAL METHODS (TC 69)

ISO 11843-6:2013, Capability of detection - Part 6: Methodology for the determination of the critical value and the minimum detectable value in Poisson distributed measurements by normal approximations, \$120.00

## CLEANROOMS AND ASSOCIATED CONTROLLED ENVIRONMENTS (TC 209)

ISO 14644-10:2013, Cleanrooms and associated controlled environments - Part 10: Classification of surface cleanliness by chemical concentration, \$150.00

## DENTISTRY (TC 106)

ISO 20795-1:2013, Dentistry - Base polymers - Part 1: Denture base polymers, \$157.00

ISO 20795-2:2013, Dentistry - Base polymers - Part 2: Orthodontic base polymers, \$150.00

## FINE CERAMICS (TC 206)

ISO 13125:2013, Fine ceramics (advanced ceramics, advanced technical ceramics) - Test method for antifungal activity of semiconducting photocatalytic materials, \$90.00

## FLUID POWER SYSTEMS (TC 131)

ISO 7790:2013, Hydraulic fluid power - Four-port modular stack valves and four-port directional control valves, sizes 02, 03, 05, 07, 08 and 10 - Clamping dimensions, \$53.00

## HEALTH INFORMATICS (TC 215)

ISO 27789:2013, Health informatics - Audit trails for electronic health records, \$172.00

## PACKAGING (TC 122)

ISO 17363:2013, Supply chain applications of RFID - Freight containers, \$142.00

## PAPER, BOARD AND PULPS (TC 6)

ISO 22891:2013, Paper - Determination of transmittance by diffuse reflectance measurement, \$90.00

## PLASTICS (TC 61)

ISO 12815:2013, Fibre-reinforced plastic composites - Determination of plain-pin bearing strength, \$98.00

ISO 4892-2:2013, Plastics - Methods of exposure to laboratory light sources - Part 2: Xenon-arc lamps, \$98.00

ISO 14910-1:2013, Plastics - Thermoplastic polyester/ester and polyether/ester elastomers for moulding and extrusion - Part 1: Designation system and basis for specification, \$80.00

ISO 14910-2:2013, Plastics - Thermoplastic polyester/ester and polyether/ester elastomers for moulding and extrusion - Part 2: Preparation of test specimens and determination of properties, \$98.00

## ROAD VEHICLES (TC 22)

ISO 16844-1:2013, Road vehicles - Tachograph systems - Part 1: Electrical connectors, \$70.00



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

ISO 28005-1:2013, Security management systems for the supply chain  
- Electronic port clearance (EPC) - Part 1: Message structures,  
\$142.00

**SMALL CRAFT (TC 188)**

ISO 16180:2013, Small craft - Navigation lights - Installation,  
placement and visibility, \$80.00

**SMALL TOOLS (TC 29)**

ISO 23480:2013, Tools for pressing - Sliding plates, \$60.00

**SPORTS AND RECREATIONAL EQUIPMENT (TC 83)**

ISO 6265:2013, Alpine skis - Determination of deformation load and  
breaking load, \$60.00

ISO 6266:2013, Alpine skis - Determination of fatigue indexes - Cyclic  
loading test, \$70.00

**THERMAL INSULATION (TC 163)**

ISO 18096:2013, Thermal insulating products for building equipment  
and industrial installations - Determination of maximum service  
temperature for preformed pipe insulation, \$104.00

ISO 18097:2013, Thermal insulating products for building equipment  
and industrial installations - Determination of maximum service  
temperature, \$112.00

**TOBACCO AND TOBACCO PRODUCTS (TC 126)**

ISO 10315:2013, Cigarettes - Determination of nicotine in smoke  
condensates - Gas-chromatographic method, \$70.00

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

ISO 16119-1:2013, Agricultural and forestry machinery -  
Environmental requirements for sprayers - Part 1: General, \$70.00

ISO 16119-2:2013, Agricultural and forestry machinery -  
Environmental requirements for sprayers - Part 2: Horizontal boom  
sprayers, \$98.00

ISO 16119-3:2013, Agricultural and forestry machinery -  
Environmental requirements for sprayers - Part 3: Sprayers for bush  
and tree crops, \$90.00

**TRANSFUSION, INFUSION AND INJECTION EQUIPMENT FOR MEDICAL USE (TC 76)**

ISO 8536-4/Amd1:2013, Infusion equipment for medical use - Part 4:  
Infusion sets for single use, gravity feed - Amendment 1, \$20.00

# 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](mailto:ncsci@nist.gov) or [notifyus@nist.gov](mailto:notifyus@nist.gov).

# Information Concerning

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## 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](mailto:jgarner@itic.org). Visit [www.INCITS.org](http://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](http://www.scte.org) or by e-mail from [standards@scte.org](mailto:standards@scte.org).

## ANSI Accredited Standards Developers

### Application for Accreditation

#### Interstate Renewable Energy Council, Inc. (IREC)

##### Comment Deadline: April 8, 2013

The Interstate Renewable Energy Council, Inc. (IREC), a new ANSI Organizational Member, has submitted an application for accreditation as an ANSI Accredited Standards Developer (ASD) and proposed operating procedures for documenting consensus on IREC-sponsored American National Standards. IREC's proposed scope of standards activity is as follows:

Energy efficiency and renewable energy - The focus of this scope includes workforce training, education and instruction, and specific IREC standards will address components related to these aspects of workforce credentialing. Once accredited as a standards development organization, IREC will be submitting Standard 14732:2013 General Requirements for Renewable Energy & Energy Efficiency Certificate Programs for accreditation as an American National Standard. Submission of subsequent standards for accreditation may follow.

To obtain a copy of IREC's proposed operating procedures or to offer comments, please contact: Ms. Laure-Jeanne Davignon, Director of Credentialing Program, Interstate Renewable Energy Council, Inc., 125 Wolf Road, Suite 410, Albany, NY 12205; phone: 518.578.4718; e-mail: [laurejeanne@irecusa.org](mailto:laurejeanne@irecusa.org). Please submit your comments to IREC by April 8, 2013, with a copy to the Recording Secretary, ExSC in ANSI's New York Office (e-mail: [Jthomps@ANSI.org](mailto:Jthomps@ANSI.org)). As the proposed procedures are available electronically, the public review period is 30 days. You may view or download a copy of IREC's proposed operating procedures from ANSI Online 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>.

### Approvals of Reaccreditation

#### Automotive Lift Institute, Inc. (ALI)

At the direction of ANSI's Executive Standards Council (ExSC), the reaccreditation of the Automotive Lift Institute, Inc. (ALI), an ANSI Organizational Member, has been approved under its recently revised operating procedures for documenting consensus on ALI-sponsored American National Standards, effective March 1, 2013. For additional information, please contact: Ms. Heather Almeida, Administrative Manager, Automotive Lift Institute, Inc., P.O. Box 85, Cortland, NY 13045; phone: 607.756.7775; e-mail: [heather@autolift.org](mailto:heather@autolift.org).

#### Certified Automotive Parts Association (CAPA)

At the direction of ANSI's Executive Standards Council (ExSC), the reaccreditation of the Certified Automotive Parts Association (CAPA), an ANSI Organizational Member, has been approved under its recently revised operating procedures for documenting consensus on CAPA-sponsored American National Standards, effective March 4, 2013. For additional information, please contact: Ms. Deborah Klouser, Director of Operations, Certified Automotive Parts Association, 1000 Vermont Avenue, NW, Suite 1010, Washington, DC 20005; phone: 202.737.2212; e-mail: [debbie@CAPACertified.org](mailto:debbie@CAPACertified.org).

## Portable Generator Manufacturers Association (PGMA)

At the direction of ANSI's Executive Standards Council (ExSC), the reaccreditation of the Portable Generator Manufacturers Association (PGMA), an ANSI Organizational Member, has been approved under its recently revised operating procedures for documenting consensus on PGMA-sponsored American National Standards, effective March 5, 2013. For additional information, please contact: Mr. Joseph Harding, Technical Director, Portable Generator Manufacturers Association, 1300 Sumner Avenue, Cleveland, OH 44115-2851; phone: 216.241.7333, ext. 3008; e-mail: [jharding@thomasamc.com](mailto:jharding@thomasamc.com).

## Single Ply Roofing Institute (SPRI)

At the direction of ANSI's Executive Standards Council (ExSC), the reaccreditation of the Single Ply Roofing Institute (SPRI), an ANSI Organizational Member, has been approved under its recently revised operating procedures for documenting consensus on SPRI-sponsored American National Standards, effective March 5, 2013. For additional information, please contact: Ms. Linda King, Managing Director, Single Ply Roofing Institute, 411 Waverley Oaks Road, Suite 331B, Waltham, MA 02452; phone: 781.674.7026; e-mail: [info@spri.org](mailto:info@spri.org).

## Technical Association of the Pulp and Paper Industry (TAPPI)

ANSI's Executive Standards Council has approved the reaccreditation of the Technical Association of the Pulp and Paper Industry (TAPPI) under its recently revised operating procedures for documenting consensus on American National Standards, effective March 5, 2013. For additional information, please contact: Mr. Charles Bohanan, Director of Standards and Awards, TAPPI, 15 Technology Parkway South, Peachtree Corners, GA 30092; phone: 770.209.7276; e-mail: [standards@tappi.org](mailto:standards@tappi.org).

## Reaccreditations

### ASC C2 – National Electrical Safety Code

#### Comment Deadline: April 8, 2013

Accredited Standards Committee C2, National Electrical Safety Code has submitted revisions to its currently accredited operating procedures for documenting consensus on ASC C2-sponsored American National Standards, under which it was last reaccredited in December 2011. As the revisions appear to be substantive in nature, the reaccreditation process is initiated.

To obtain a copy of the revised procedures or to offer comments, please contact the Secretariat of ASC C2: Ms. Susan Vogel, Manager, Committee Services, IEEE, 445 Hoes Lane, Piscataway, NJ 08855-1331; phone: 732.562.3817; e-mail: [s.vogel@ieee.org](mailto:s.vogel@ieee.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%20Commitment%2fANS%20Accreditation%20Actions&View=%7b21C60355%2dAB17%2d4CD7%2dA090%2dBABEEC5D7C60%7d>. Please submit any public comments on the revised procedures to IEEE by April 8, 2013, with a copy to the ExSC Recording Secretary in ANSI's New York Office (E-mail: [jthomps@ANSI.org](mailto:jthomps@ANSI.org)).

## Association for Challenge Course Technology (ACCT)

#### Comment Deadline: April 8, 2013

The Association for Challenge Course Technology (ACCT), an ANSI organizational member, has submitted revisions to its currently accredited operating procedures on file for documenting consensus on ACCT-sponsored American National Standards, under which it was last reaccredited in 2009. As the revisions appear to be substantive in nature, the reaccreditation process is initiated.

To obtain a copy of the revised procedures or to offer comments, please contact: Mr. Bill Weaver, Director of Operations, Association for Challenge Course Technology, 8931 Crystal Falls Drive, Boonsboro, MD 21713; phone: 800.991.0286, ext. 913; e-mail: [bill@acctinfo.org](mailto:bill@acctinfo.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%20Commitment%2fANS%20Accreditation%20Actions&View=%7b21C60355%2dAB17%2d4CD7%2dA090%2dBABEEC5D7C60%7d>. Please submit any public comments on the revised procedures to ACCT by April 8, 2013, with a copy to the ExSC Recording Secretary in ANSI's New York Office (e-mail: [jthomps@ansi.org](mailto:jthomps@ansi.org)).

## North American Electric Reliability Corporation (NERC)

#### Comment Deadline: April 8, 2013

The North American Electric Reliability Corporation (NERC), an ANSI organizational member, has submitted revisions to its currently accredited operating procedures on file for documenting consensus on NERC-sponsored American National Standards, under which it was last reaccredited in September 2011. As the revisions appear to be substantive in nature, the reaccreditation process is initiated.

To obtain a copy of the revised procedures or to offer comments, please contact: Mr. Mark Lauby, Vice-President and Director of Standards, North American Electric Reliability Corporation, 3353 Peachtree Road NE, Suite 600, Atlanta, GA 30326; phone: 404.446.2560; e-mail: [Mark.Lauby@nerc.net](mailto:Mark.Lauby@nerc.net). 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%20Commitment%2fANS%20Accreditation%20Actions&View=%7b21C60355%2dAB17%2d4CD7%2dA090%2dBABEEC5D7C60%7d>. Please submit any public comments on the revised procedures to NERC by April 8, 2013, with a copy to the ExSC Recording Secretary in ANSI's New York Office (e-mail: [jthomps@ansi.org](mailto:jthomps@ansi.org)).

## Withdrawal of ASD Accreditation and Transfer of American National Standards

### Greenguard Environmental Institute (GEI)

Underwriters Laboratories (UL), an ANSI Organizational Member and Accredited Standards Developer (ASD), has advised ANSI that "The Greenguard Environmental Institute has joined the UL family of companies and all associated standards development work will now be handled by UL." Consequently, GEI's status as a separately accredited ANSI ASD is formally withdrawn and all GEI registered projects and American National Standards have been transferred for maintenance to UL, effective February 28, 2013. Please direct any related inquiries to: Ms. Deborah Prince, Standards Process Manager, Underwriters Laboratories Inc., 12 Laboratory Drive, P.O. Box 13995, Research Triangle Park, NC 27709; phone: 919.549.1460; e-mail: [Deborah.Prince@ul.com](mailto:Deborah.Prince@ul.com).

# International Organization for Standardization (ISO)

## Calls for US/TAG and US/TAG Administrator

### ISO/PC 276 – Biotechnology

The ISO Technical Management Board has created a new ISO Technical Committee on Biotechnology (ISO/TC 276). The secretariat has been assigned to DIN (Germany). The new technical committee has the following scope:

Standardization of the following aspects:

- Terms and definitions.
- Analytical methods in the realm of "-omics" technologies, i.e., Proteomics, Metabolomics, Genomics; based on the conceptual framework proposed at the ISO Biotechnology Workshop in October 2011.
- Computing tools, bioinformatics for international comparability and integrability of data.
- Bioresources, Biobanking.
- Bioreactors.
- Metrology aspects of biotechnology (e.g. enzymology).

ISO/TC Biotechnology will work closely with related committees in order to identify demands, standardization gaps, and organize collaborations avoiding duplications and overlapping standardization activities, see proposed list of liaisons.

The committee will not pursue clinical laboratory testing and in vitro diagnostic test systems (as covered by the scope of ISO/TC 212 Clinical laboratory testing and in vitro diagnostic test systems).

The committee will not pursue standardization of forensic science, research, as well as applications for the agricultural, food, and medical industries.

Organizations interested in serving as the US/TAG administrator or participating on the US/TAG should contact ANSI's ISO Team at [isot@ansi.org](mailto:isot@ansi.org).

### ISO/PC 277 – Sustainable Purchasing

The ISO Technical Management Board has created a new ISO Project Committee on Sustainable Purchasing (ISO/PC 277). The secretariat has been assigned to AFNOR (France) and ABNT (Brazil) as part of a twinning arrangement. The new project committee has the following scope:

Standardization in the field of sustainable purchasing.

Organizations interested in serving as the US/TAG administrator or participating on the US/TAG should contact ANSI's ISO Team at [isot@ansi.org](mailto:isot@ansi.org).

### ISO/PC 278 – Anti-Bribery Management System – Requirements

The ISO Technical Management Board has created a new ISO Project Committee on Anti-bribery management system – Requirements (ISO/PC 278). The secretariat has been assigned to BSI (United Kingdom). The new project committee has the following scope:

Standardization in the field of anti-bribery management system – Requirements

Organizations interested in serving as the US/TAG administrator or participating on the US/TAG should contact ANSI's ISO Team at [isot@ansi.org](mailto:isot@ansi.org).

## New Work Item Proposals

### Audit Data Services

#### Comment Deadline: April 26, 2013

SAC (China) has submitted to ISO the attached proposal for a new field of technical activity on Audit Data Services with the following scope statement:

Standardization in the field of Audit data services (ADS), including audit data service terms, audit data acquisition, processing of the audit data, audit data management, the utilization of audit data.

Please note that the proposal seems to indicate that the primary focus would be financial auditing.

Anyone wishing to review the new work item proposal can request a copy of the proposal by contacting ANSI's ISO Team via e-mail: [isot@ansi.org](mailto:isot@ansi.org) with submission of comments to Steve Cornish ([scornish@ansi.org](mailto:scornish@ansi.org)) by close of business on Friday, April 26, 2013.

### Cell-Combined Medical Products

#### Comment Deadline: April 19, 2013

KATS (Republic of Korea) has submitted to ISO the attached proposal for a new field of technical activity on Cell-combined medical products with the following scope statement:

Standardization of guidelines for the cell-combined medical products (CCMPs) which consist of therapeutic cells and biomaterials designed to be delivered into the body to restore, replace defects and/or regenerate physiological functions is necessary.

The standards and guidelines include the terminology, specification, procedures in producing therapeutic cell expansion, cell-biomaterial hybridization, in vitro and in vivo experiments, and clinical trials for the cell-combined medical products (CCMPs).

These standards exclude 1) minimally manipulated cells/tissues/organ medical products (CTOMPs) intended for transplantation; 2) gene therapy; 3) blood transfusion; 4) extracorporeal devices containing living cells.

Anyone wishing to review the new work item proposal can request a copy of the proposal by contacting ANSI's ISO Team via e-mail: [isot@ansi.org](mailto:isot@ansi.org) with submission of comments to Steve Cornish ([scornish@ansi.org](mailto:scornish@ansi.org)) by close of business on Friday, April 19, 2013.

### Fine Bubble Technology

#### Comment Deadline: April 5, 2013

JISC (Japan) has submitted to ISO the attached proposal for a new field of technical activity Fine bubble technology with the following scope statement:

Standardization of terms and definitions, classifications in sizes and characteristics, and other aspects related to measurements, functions and applications in the field of "fine bubbles."

Anyone wishing to review the new work item proposal can request a copy of the proposal by contacting ANSI's ISO Team via e-mail: [isot@ansi.org](mailto:isot@ansi.org) with submission of comments to Steve Cornish ([scornish@ansi.org](mailto:scornish@ansi.org)) by close of business on Friday, April 5, 2013.

# U.S. Technical Advisory Group

## Administrative Approval of Reaccreditation

### U.S. TAG to ISO/TC 23/SC 17 – Manually Portable Forest Machinery

At the direction of ANSI's Executive Standards Council, the reaccreditation of the U.S. Technical Advisory Group to ISO/TC 23/SC 17, Manually portable forest machinery under its recently revised operating procedures has been administratively approved, effective March 6, 2013. For additional information, please contact the TAG Administrator: Ms. Kathleen Woods, Director of Standards, Outdoor Power Equipment Institute, 341 South Patrick Street, Alexandria, VA 22314; phone: 703.549.7600; e-mail: [kwoods@opei.org](mailto:kwoods@opei.org).

**BSR/UL 263, Standard for Safety for Fire Tests of Building Construction and Materials****1. Proposal to change unexposed face criteria****6.4 Conditions of acceptance**

6.4.1 During the tests, the construction shall have complied with the following conditions:

- a) The wall or partition shall have sustained the applied load during the classification period without passage of flame or passage of gases hot enough to ignite cotton waste.
- b) The wall or partition shall have sustained the applied load during the hose stream test without development of an opening that would permit a projection of water from the hose stream beyond the unexposed surface.
- c) Transmission of heat through the wall or partition during the classification period shall not have raised the temperature on its unexposed surface to more than 250°F (139°C) above its initial temperature 400°C (752°F).

7.3.1 During the tests, the construction shall have complied with the following conditions:

- a) The wall or partition shall have sustained the fire endurance test without passage of flame or passage of gases hot enough to ignite cotton waste during the classification period.
- b) The wall or partition shall have sustained the hose stream test without development of an opening that would permit a projection of water from the hose stream beyond the unexposed surface.
- c) Transmission of heat through the wall or partition during the classification period shall not have raised the temperature on its unexposed surface to more than 250°F (139°C) above its initial temperature 400°C (752°F).

10.5.1 To obtain a restrained assembly classification, the assembly shall have complied with the following conditions:

- a) The specimen shall have sustained the applied load during the classification period without developing unexposed surface conditions which will ignite cotton waste.
- b) Transmission of heat through the specimen during the classification period shall not have raised the average temperature on its unexposed surface to more than 250°F (139°C) above its initial temperature 400°C (752°F).
- c) For specimens employing steel structural members (beams, open-web steel joists, or the like) spaced more than 4 ft (1.2 m) on centers, the assembly shall achieve a fire endurance classification on the basis of the temperature criteria specified in 10.6.1(c), for assembly classifications up to and including 1 h. For classifications greater than 1 h, this temperature criteria applies for a period of one-half the classification of the assembly or for 1 h, whichever is the greater.
- d) For specimens employing steel structural members (beams, open-web steel joists, or the like) spaced 4 ft (1.2 m) or less on centers, the assembly shall achieve a fire endurance classification on the basis of the temperature criteria specified in 10.6.1(d), for assembly classifications up to and including 1 h. For classifications greater than 1 h, this temperature criteria applies for a period of one-half the classification of the assembly or for 1 h, whichever is the greater.
- e) For specimens employing conventionally designed concrete beams, spaced more than 4 ft (1.2m) on centers, the assembly shall achieve a fire endurance classification on the basis of the temperature criteria specified in 10.6.1(e), for assembly classifications up to and including 1 h. For classifications greater than 1 h, this temperature criteria applies for a period of one-half the classification of the assembly or for 1 h, whichever is the greater.

10.6.1 To obtain an unrestrained assembly classification, the assembly shall have complied with the following conditions:

- a) The specimen shall have sustained the applied load during the classification period without developing unexposed surface conditions which will ignite cotton waste.
- b) The transmission of heat through the specimen during the classification period shall not have raised the average temperature on its unexposed surface to more than 250°F (139°C) above its initial temperature 400°C (752°F).
- c) For specimens employing steel structural members (beams, open-web steel joists, or the like), spaced more than 4 ft (1.2 m) on centers, the temperature of the steel shall not have exceeded 1300°F (704°C) at any location during the classification period nor shall the average temperature recorded by four thermocouples at any section have exceeded 1100°F (593°C) during this period.
- d) For specimens employing steel structural members (beams, open-web steel joists, or the like), spaced 4 ft (1.2 m) or less on centers, the average temperature recorded by all joist or beam thermocouples shall not have exceeded 1100°F (593°C) during the classification period.
- e) For specimens employing concrete structural members (excluding cast-in-place concrete roof or floor slabs having spans equal to or less than those tested), the average temperature of the tension steel at any section shall not have exceeded 800°F (427°C) for cold-drawn prestressing steel or 1100°F (593°C) for reinforcing steel during the classification period.
- f) For specimens employing steel floor or roof units intended for use in spans greater than those tested, the average temperature recorded by all thermocouples located on any one span of the floor or roof units shall not have exceeded 1100°F (593°C) during the classification period.

15.4.1 Unless otherwise specified, the performance of protective membranes is to be determined as the time at which the average temperature rise of any set of thermocouples for each class of element being protected is more than 400°C (752°F). following conditions occur:

- a) ~~The average temperature rise of any set of thermocouples for each class of element being protected is more than 250°F (139°C) above its initial temperature~~
- b) ~~The temperature rise of any one thermocouple of the set for each class of element being protected is more than 325°F (181°C) above the initial temperature.~~

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## BSR/UL 514D, Standard for Cover Plates for Flush-Mounted Wiring Devices

5.3.4 An outlet box hood for use in wet locations shall be marked (see Clause 8.1.4 8.1.2) either:

- a) "Wet Locations" or the equivalent; or
- b) "Wet Locations Only When Hood Closed" or the equivalent.

An outlet box hood for use in wet locations may be additionally marked "Damp Locations."

8.9.1.4 An extra-duty outlet box hood shall not come off unhinged from its mating part during the impact resistance test even though it can be replaced without impairment of its function. An extra-duty outlet box hood may be marked in accordance with Clause 5.3.8. See Figure 1 for a typical assembly employing an outlet box hood.

Figure 1

Typical components of a weatherproof enclosure assembly employing an outlet-box hood

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**BSR/UL 746E, Standard for Safety for Polymeric Materials; Industrial Laminates, Filament Wound Tubing, Vulcanized Fibre, and Materials Used in Printed-Wiring Boards**

1. Redefinition of FR-4 UL/ANSI Grades

**Note:** An abbreviated version of Table 7.1, showing only the column headings and the proposed changes to the table, is provided with this proposal.

**Table 7.1**

**Rigid industrial laminate profiles of performance**

UL/ANSI Type	Min thickness		Flam classes	Min HAI (Arc)		Min HWI (Sec)	Max HVA R (Sec)	Max HVTR (in/min)	D 495 (sec)	Min DS	Min FS	CTI (V)	Vol resist ohm-cm x10 <sup>a</sup>	Water ab %Chg
	m	inc		OS	AS	PLC	PLC	PLC	PLC	KV/m	psi	PLC		
FR-4	0.63	0.025	V-0	(16)	(200)	(300)	(300)	(10.4)	-	31.8/307	60,000	-	-	-
				3	0	0	0	4						
	1.40	0.055	V-0	(48)	(200)	(300)	(300)	(13.7)	(14)	-	60,000	(100)	9,9	0.20
				2	0	0	0	4	3			4		
<u>FR-4.0</u>	<u>0.63</u>	<u>0.025</u>	<u>V-0</u>	<u>(16)</u>	<u>(200)</u>	<u>(300)</u>	<u>(300)</u>	<u>(10.4)</u>	<u>:</u>	<u>31.8/307</u>	<u>60.000</u>	<u>:</u>	<u>:</u>	<u>:</u>
				<u>3</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>4</u>						
	<u>1.40</u>	<u>0.055</u>	<u>V-0</u>	<u>(48)</u>	<u>(200)</u>	<u>(300)</u>	<u>(300)</u>	<u>(13.7)</u>	<u>(14)</u>	<u>:</u>	<u>60.000</u>	<u>(100)</u>	<u>9,9</u>	<u>0.20</u>
				<u>2</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>4</u>	<u>3</u>			<u>4</u>		
<u>FR-4.1</u>	<u>0.63</u>	<u>0.025</u>	<u>V-0</u>	<u>(16)</u>	<u>(200)</u>	<u>(300)</u>	<u>(300)</u>	<u>(10.4)</u>	<u>:</u>	<u>31.8/307</u>	<u>60.000</u>	<u>:</u>	<u>:</u>	<u>:</u>
				<u>3</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>4</u>						
	<u>1.40</u>	<u>0.055</u>	<u>V-0</u>	<u>(48)</u>	<u>(200)</u>	<u>(300)</u>	<u>(300)</u>	<u>(13.7)</u>	<u>(14)</u>	<u>:</u>	<u>60.000</u>	<u>(100)</u>	<u>9,9</u>	<u>0.20</u>
				<u>2</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>4</u>	<u>3</u>			<u>4</u>		

Note: An abbreviated version of Table 7.2, showing only the column headings and the proposed changes to the table, is provided with this proposal.

Table 7.2

## Rigid industrial laminate and relative thermal index

UL/ANSI Type	Minimum thickness		Nominal thickness		Relative thermal index	
	mm	(inch)	mm	(inch)	Electrical	Mechanical
FR-4	0.63	(0.025)	0.8	(0.031)	130	140
FR-4.0	0.63	(0.025)	0.8	(0.031)	130	140
FR-4.1	0.63	(0.025)	0.8	(0.031)	130	140

Note: An abbreviated version of Table 7.3, showing only the column headings and the proposed changes to the table, is provided with this proposal.

Table 7.3

## Industrial laminate constituents

UL/ANSI type	Resin	Reinforcement material
FR-4	Epoxy	Continuous filament woven glass fabric
FR-4.0 <sup>a</sup>	Brominated Epoxy	Continuous filament woven glass fabric
FR-4.1 <sup>a, b</sup>	Non-Halogenated Epoxy	Continuous filament woven glass fabric

<sup>a</sup> Total inorganic filler content equal to 45 percent maximum by weight.

<sup>b</sup> Total halogen content equal to 900 ppm maximum Bromine or Chlorine and 1500 ppm combined Bromine and Chlorine tested in accordance with 8.12.

Note: An abbreviated version of Table 7.5, showing only the column headings and the proposed changes to the table, is provided with this proposal.

Table 7.5

UL/ANSI Industrial laminate sample build up thickness tolerance<sup>a</sup>

UL/ANSI Type	Minimum thickness		Nominal thickness	
	mm	(Inch)	mm	(Inch)
G-10, FR-4, FR-4.1, GPY	0.38	(0.015)	0.43	(0.017)
	0.63	(0.025)	0.8	(0.031)
	1.40	(0.055)	1.6	(0.062)

<sup>a</sup> Samples submitted with a thickness between the minimum thickness and the nominal

thickness are to receive a rating corresponding to the minimum thickness.

(NEW)

7.7.1 FR-4.0 and FR-4.1 grades must contain 50 percent epoxide resin minimum excluding inorganic fillers. The total inorganic filler content by weight is 45 percent maximum. This shall be determined from constituent components provided by the supplier when submitting products for evaluation. IR reference scans may be used to verify the presence of indicated compounds. IR scans that do not match existing profiles in the suppliers file will indicate the need for LTTA per variations allowed in 7.7.

(NEW)

7.7.2 For the purpose of calculating ash content, inorganic fillers added to the resin shall be considered part of the resin weight percentage and not part of the reinforcement weight percentage.

**Note:** An abbreviated version of Table 8.2, showing only the column headings and the proposed changes to the table, is provided with this proposal.

Table 8.2

Abbreviated industrial laminate program requirements

	Acceptable values					
	Minimum flexural strength (PSI)		Ash content range (% by weight)		UL 94 Flammability Class	
	Thickness		Thickness		Thickness	
	0.8 mm (0.031 inch)	1.6 mm (0.062 inch)	0.8 mm (0.031 inch)	1.6 mm (0.062 inch)	0.8 mm (0.031 inch)	1.6 mm (0.062 inch)
FR-4	60,000	60,000	55.0 - 67.7	55.0 - 67.7	V-0	V-0
<u>FR-4.0</u>	<u>60,000</u>	<u>60,000</u>	<u>55.0 - 67.7</u>	<u>55.0 - 67.7</u>	<u>V-0</u>	<u>V-0</u>
<u>FR-4.1</u>	<u>60,000</u>	<u>60,000</u>	<u>55.0 - 67.7</u>	<u>55.0 - 67.7</u>	<u>V-0</u>	<u>V-0</u>

(NEW)

8.12 The test method for determining total halogen content, (i.e. the total amount of chlorine and bromine) in reinforced epoxy base materials is provided under the conditions specified in Method 2.3.41 of IPC-TM-650 Test Method for Total Halogen Content in Base Materials.

- a) This total halogen test is performed on unclad base materials with a minimum thickness of 1.5 mm with a retained resin content of 40-45 percent in accordance with IPC 4101 Specification for Base Materials for Rigid and Multilayer Printed Boards.

b) Base materials (resin system plus reinforcement matrix) found to have a maximum total halogen content of 1500 ppm with a maximum chlorine content of 900 ppm and maximum bromine content of 900 ppm as determined in 8.12, are defined as "non-halogenated."

**Note:** An abbreviated version of Table 9.2, showing only the column headings and the proposed changes to the table, is provided with this proposal.

**Table 9.2**

**Examples of two-point thermal aging programs**

UL/ANSI type	Aging temperature, °C	Aging time (hours)			
<del>FR-4</del> <u>FR-4.0, FR-4.1, G10</u>	180	300	400	500	600
	170	630	840	1050	1260

10.2.1.1 Thickness and generic Relative Thermal Indices are shown in Table 10.2 for ~~FR-4~~ FR-4.0, FR-4.1, G-10, GPY, FR-5, and CEM-3 material. All UL/ANSI type materials must comply with the minimum electrical and mechanical RTI's listed in Table 10.2 and may not exceed the electrical and mechanical RTI's listed in Table 7.2.

**Note:** An abbreviated version of Table 10.2, showing only the column headings and the proposed changes to the table, is provided with this proposal.

**Table 10.2**

**Ultrathin laminates and prepreg generic relative thermal index**

UL/ANSI type	Individual sheets and build-up nominal thickness <sup>a</sup>		Individual sheets and build-up relative thermal index	
	mm	(Mils)	Electrical (°C)	Mechanical (°C)
FR-4	<del>0.05 - 0.09</del>	<del>(2 - 3)</del>	90	a
FR-4	<del>0.10 - 0.37</del>	<del>(4 - 14)</del>	120	a
FR-4	<del>0.38 - 0.62</del>	<del>(15 - 24)</del>	130	130
<u>FR-4.0</u>	<u>0.05 - 0.09</u>	<u>(2 - 3)</u>	<u>90</u>	<u>a</u>
<u>FR-4.0</u>	<u>0.10 - 0.37</u>	<u>(4 - 14)</u>	<u>120</u>	<u>a</u>
<u>FR-4.0</u>	<u>0.38 - 0.62</u>	<u>(15 - 24)</u>	<u>130</u>	<u>130</u>
<u>FR-4.1</u>	<u>0.05 - 0.09</u>	<u>(2 - 3)</u>	<u>90</u>	<u>a</u>
<u>FR-4.1</u>	<u>0.10 - 0.37</u>	<u>(4 - 14)</u>	<u>120</u>	<u>a</u>
<u>FR-4.1</u>	<u>0.38 - 0.62</u>	<u>(15 - 24)</u>	<u>130</u>	<u>130</u>

NOTE - Relative thermal index investigated in accordance with 10.2.1.2, 10.2.4, and Table 10.4.

<p><sup>a</sup> The mechanical rating shall be that of the final buildup thickness.</p>
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10.2.2.1 For ultrathin materials, built up to a thickness of 0.8 mm (0.031 inch) or greater using the laminate and prepreg sheet thicknesses referenced in Table 10.2, no testing shall be required, provided they contain the same material constituents as the previously evaluated ~~FR-4~~ FR-4.0, FR-4.1, G-10, GPY, CEM-3, or FR-5 laminate in accordance with the abbreviated test program, Section 8. The material shall be assigned the Relative Thermal Index shown in Table 10.2 for the corresponding laminate or prepreg sheet thickness.

10.2.2.6 Thermal aging is to be conducted at 170°C and 180°C for ~~FR-4~~ FR-4.0, FR-4.1, G-10, and CEM-3 material, 210°C and 225°C for GPY material I, and 200°C and 210°C for FR-5 material.

10.2.3.9 Thermal aging is to be conducted at 170°C and 180°C for ~~FR-4~~ FR-4.0, FR-4.1, G-10, and CEM-3 material, 210°C and 225°C for GPY material I, and 200°C and 210°C for FR-5 material.

10.2.4.5 The thermal aging shall be conducted at 170°C and 180°C for ~~FR-4~~ FR-4.0, FR-4.1, G-10, and CEM-3 material, 210°C and 225°C for GPY material, and 200°C and 210°C for FR-5 material as described in Table 10.4.

22.1.6 Voltage transient tests shall be performed in accordance with Section 22.4, and dielectric voltage-withstand and breakdown voltage tests shall be performed in accordance with Section 22.5.

*Exception No. 1: Testing of UL/ANSI ~~FR-4~~ FR-4.0 or FR-4.1 is are representative of UL/ANSI FR-5, G-10, G-11, CEM-1, and CEM-3 materials.*

*Exception No. 2: Testing of UL/ANSI XXXPC is representative of UL/ANSI X, XP, XPC, XX, XXP, XXX, and XXXP materials.*

*Exception No. 3: Testing of UL/ANSI GPO-2 is representative of UL/ANSI GPO-3 material.*

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