

## Contents

### American National Standards

<b>Call for Comment on Standards Proposals</b> .....	<b>2</b>
<b>Call for Comment Contact Information</b> .....	<b>14</b>
<b>Call for Members (ANS Consensus Bodies)</b> .....	<b>16</b>
<b>Final Actions</b> .....	<b>18</b>
<b>Project Initiation Notification System (PINS)</b> .....	<b>19</b>

### International Standards

<b>ISO and IEC Draft Standards</b> .....	<b>24</b>
<b>ISO and IEC Newly Published Standards</b> .....	<b>25</b>
<b>Proposed Foreign Government Regulations</b> .....	<b>27</b>
<b>Information Concerning</b> .....	<b>28</b>

## 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

## Comment Deadline: October 3, 2010

### ASME (American Society of Mechanical Engineers)

#### Supplements

BSR/ASME B16.34-201x, Valves - Flanged, Threaded, and Welding End (supplement to ANSI/ASME B16.34-2009)

Applies to new construction and covers pressure-temperature ratings; dimensions; tolerances; materials; nondestructive examination requirements; testing; and marking for cast, forged, and fabricated flanged, threaded, and welding end and wafer or flangeless valves of steel, nickel-base alloys, and other alloys. Wafer or flangeless valves, bolted or through-bolt types, that are installed between flanges or against a flange are treated as flanged-end valves. Alternative rules for NPS 21/2 and smaller valves are given.

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

Send comments (with copy to BSR) to: Adam Maslowski, (212) 591-8017, [maslowskia@asme.org](mailto:maslowskia@asme.org)

### NSF (NSF International)

#### Revisions

BSR/NSF 14-201x (i37), Plastics piping system components and related materials (revision of ANSI/NSF 14-2009)

Issue 37: Updates table 3 for MEK test method.

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

Send comments (with copy to BSR) to: Adrienne O'Day, (734) 827-5676, [oday@nsf.org](mailto:oday@nsf.org)

BSR/NSF 140-201x (i12), Sustainability Carpet Assessment (revision of ANSI/NSF 140-2009)

Issue 12 - Adds the title to Figure B1 defining carpet manufacturing facilities where referenced; updates the referencing within Figure B1 and clarifying the boundaries of Figure B1 for the purpose of defining a manufacturing facility; adds the words "for a manufacturing facility" in section 9.5 and section 9.7.2 and a reference to Figure B1 in both 9.5 and 9.7.2.

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

Send comments (with copy to BSR) to: Mindy Costello, (734) 827-6819, [mccostello@nsf.org](mailto:mccostello@nsf.org)

### SDI (Steel Deck Institute)

#### Revisions

BSR/SDI NC-2010, Standard for Non-Composite Steel Floor Deck (revision and redesignation of ANSI/SDI NC1.0-2006)

Provides a standard for non-composite steel floor deck to be used by designers, specifiers, manufacturers, and installers of non-composite steel floor deck. The specification sets guidelines and requirements relating to quality assurance, materials, design, materials handling, and installation of non-composite steel floor deck. Non-mandatory user notes are included for further clarification and guidance.

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

Send comments (with copy to BSR) to: Thomas Sputo, (352) 378-0448, [sputoeng@mindspring.com](mailto:sputoeng@mindspring.com)

BSR/SDI RD-2010, Standard for Steel Roof Deck (revision and redesignation of ANSI/SDI RD1.0-2006)

Provides a standard for steel roof deck to be used by designers, specifiers, manufacturers, and installers of steel roof deck. The specification sets guidelines and requirements relating to quality assurance, materials, design, materials handling, and installation of steel roof deck. Non-mandatory user notes are included for further clarification and guidance.

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

Send comments (with copy to BSR) to: Thomas Sputo, (352) 378-0448, [sputoeng@mindspring.com](mailto:sputoeng@mindspring.com)

### UL (Underwriters Laboratories, Inc.)

#### Revisions

BSR/UL 6-201x, Standard for Safety for Electrical Rigid Metal Conduit - Steel (Proposal dated 9-3-2010) (revision of ANSI/UL 6-2007)

Proposal dated 9-3-2010 to clarify requirements for the use of two or more primary corrosion protection systems. The revision will document requirements for evaluating multiple coatings as the primary coating.

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

Send comments (with copy to BSR) to: Paul Lloret, (408) 754-6618, [Paul.E.Lloret@us.ul.com](mailto:Paul.E.Lloret@us.ul.com)

BSR/UL 758-201x, Standard for Safety for Appliance Wiring Material (Proposals dated 9/3/10) (revision of ANSI/UL 758-2010)

Adds composite conductor to Table 5.2.

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

Send comments (with copy to BSR) to: Linda Phinney, (408) 754-6684, [Linda.L.Phinney@us.ul.com](mailto:Linda.L.Phinney@us.ul.com)

BSR/UL 1994-201x, Standard for Safety for Luminous Egress Path Marking Systems (Proposal dated September 3, 2010) (revision of ANSI/UL 1994-2010)

Provides proposals to clarify requirements for path marking signs.

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

Send comments (with copy to BSR) to: Barbara Davis, (408) 754-6722, [Barbara.J.Davis@us.ul.com](mailto:Barbara.J.Davis@us.ul.com)

## Comment Deadline: October 18, 2010

### API (American Petroleum Institute)

#### New National Adoptions

BSR/API RP 5C5/ISO 13679, 3rd Edition-201x, Recommended Practice on Procedures for Testing Casing and Tubing Connections (identical national adoption of ISO 13679)

Establishes minimum design verification testing procedures and acceptance criteria for casing and tubing connections for the oil and natural gas industries. These physical tests are part of a design verification process and provide objective evidence that the connection conforms to the manufacturer's claimed test load envelope and limit loads.

Single copy price: \$25.00

Obtain an electronic copy from: [ghaeys@api.org](mailto:ghaeys@api.org)

Order from: Shail Ghaey, (202) 682-8056, [ghaeys@api.org](mailto:ghaeys@api.org)

Send comments (with copy to BSR) to: Same

**Reaffirmations**

BSR/API RP 10B-2/ISO 10426-2-2005 (R201x), Recommended Practice for Testing Well Cements (reaffirmation of ANSI/API 10B-2/ISO 10426-2-2005)

Specifies requirements and gives recommendations for the testing of cement slurries and related materials under simulated well conditions.

Single copy price: \$25.00

Order from: Shail Ghaey, (202) 682-8056, ghaeys@api.org

Send comments (with copy to BSR) to: Same

BSR/API RP 10D-2/ISO 10427-2-2004 (R201x), Recommended Practice for Centralizer Placement and Stop Collar Testing (reaffirmation of ANSI/API RP 10D-2/ISO 10427-2-2004)

Provides calculations for determining centralizer spacing, based on centralizer performance and desired standoff, in deviated and dogleg holes in wells for the petroleum and natural gas industries. This standard also provides a procedure for testing stop collars and reporting test results.

Single copy price: \$25.00

Order from: Shail Ghaey, (202) 682-8056, ghaeys@api.org

Send comments (with copy to BSR) to: Same

BSR/API RP 10B-3/ISO 10426-3-2004 (R201x), Recommended Practice on Testing of Deepwater Well Cement Formulations (reaffirmation of ANSI/API 10B-3/ISO 10426-3-2004)

Provides procedures for testing well cements and cement blends for use in the petroleum and natural gas industries in a deepwater environment.

Single copy price: \$25.00

Order from: Shail Ghaey, (202) 682-8056, ghaeys@api.org

Send comments (with copy to BSR) to: Same

BSR/API RP 10B-4/ISO 10426-4-2004 (R201x), Recommended Practice on Preparation and Testing of Foamed Cement Slurries at Atmospheric Pressure (reaffirmation of ANSI/API RP 10B-4/ISO 10426-4-2004)

Defines the methods for the generation and testing of foamed cement slurries and their corresponding unfoamed base cement slurries at atmospheric pressure.

Single copy price: \$25.00

Order from: Shail Ghaey, (202) 682-8056, ghaeys@api.org

Send comments (with copy to BSR) to: Same

BSR/API RP 10B-5/ISO 10426-5-2007 (R201x), Recommended Practice on Determination of Shrinkage and Expansion of Well Cement Formulations at Atmospheric Pressure (reaffirmation of ANSI/API RP 10B-5/ISO 10426-5-2007)

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

Single copy price: \$25.00

Order from: Shail Ghaey, (202) 682-8056, ghaeys@api.org

Send comments (with copy to BSR) to: Same

BSR/API RP 10F/ISO 10427-3-2001 (R201x), Recommended Practice for Performance Testing of Cementing Float Equipment (reaffirmation and redesignation of ANSI/API 10F/ISO 18165-2001)

Describes testing practices to evaluate the performance of cementing float equipment for the petroleum and natural gas industries. This recommended practice is applicable to float equipment that will be in contact with water-based fluids used for drilling and cementing wells. It is not applicable to float equipment performance in non-water-based fluids.

Single copy price: \$25.00

Order from: Shail Ghaey, (202) 682-8056, ghaeys@api.org

Send comments (with copy to BSR) to: Same

BSR/API RP 5A5/ISO 15463-2005 (R201x), Field Inspection of New Casing, Tubing, and Plain-End Drill Pipe (reaffirmation of ANSI/API RP 5A5-2005)

Covers the practices and technology commonly used in field inspection; however, certain practices may also be suitable for mill inspections. Covers the qualification of inspection personnel, a description of inspection methods and apparatus calibration and standardization procedures for various inspection methods. The evaluation of imperfections and marking of inspected OCTG are included. Applicable to field inspection of OCTG and is not applicable for use as a basis for acceptance or rejection.

Single copy price: \$25.00

Order from: Shail Ghaey, (202) 682-8056, ghaeys@api.org

Send comments (with copy to BSR) to: Same

BSR/API Spec 10D/ISO 10427-1-2001 (R201x), Specification for Bow-Spring Casing Centralizers (reaffirmation of ANSI/API 10D/ISO 10427-1-2001)

Provides minimum performance requirements, test procedures and marking requirements for bow-spring casing centralizers for the petroleum and natural gas industries. The procedures provide verification testing for the manufacturer's design, materials and process specifications, and periodic testing to confirm the consistency of product performance.

Single copy price: \$25.00

Order from: Shail Ghaey, (202) 682-8056, ghaeys@api.org

Send comments (with copy to BSR) to: Same

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

### ***New National Adoptions***

BSR/ASABE AD5707:2007 MONYEAR, Milking machine installations - Construction and performance (national adoption with modifications of ISO 5707:2007)

Specifies the minimum performance and information requirements and certain dimensional requirements for satisfactory functioning of milking machines for milking and cleaning. This standard also specifies minimum requirements for materials, design, manufacture and installation. This standard is applicable to milking machines for milking cows, water buffaloes, sheep and goats where animals are milked with pulsation created by vacuum, and where milk is, at least partly, transported with the help of airflow. Some clauses are not applicable to all types of milking machines. The qualitative requirements also apply to installations for milking other mammals used for milk production.

Single copy price: \$48.00

Obtain an electronic copy from: vangilder@asabe.org

Order from: Carla VanGilder, (269) 932-7015, vangilder@asabe.org

Send comments (with copy to BSR) to: Same

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

BSR/ASME BPVC Section XI-201x, Rules for Inservice Inspection of Nuclear Power Plant Components (revision of ANSI/ASME BPVC Section XI-2010)

Provides requirements for in-service inspection and testing of light-water cooled nuclear power plants. The requirements identify the areas subject to inspection, responsibilities, provisions for accessibility and inspectability, examination methods, and procedures, personnel qualifications, frequency of inspection, record keeping and report requirements, procedures for evaluation of inspection results and subsequent disposition of results of evaluations, and repair/replacement activity requirements, including procurement, design, welding, brazing, defect removal, fabrication, installation, examination, and pressure testing.

Single copy price: Free

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

Order from: Mayra Santiago, ASME; [ANSIBOX@asme.org](mailto:ANSIBOX@asme.org)

Send comments (with copy to BSR) to: Ryan Crane, (212) 591-7004, [craner@asme.org](mailto:craner@asme.org)

**AWS (American Welding Society)****Revisions**

BSR/AWS D17.1/D17.1M-201x, Specification for Fusion Welding for Aerospace Applications (revision of ANSI/AWS D17.1-2001)

Provides the general welding requirements for welding aircraft and space hardware. These requirements include but are not limited to the fusion welding of aluminum-based, nickel-based, iron-based, cobalt-based, magnesium-based, and titanium-based alloys using electric arc and high energy beam processes. There are requirements for welding design, personnel and procedure qualification, inspection, and acceptance criteria for aerospace, support and non-flight hardware. Additional requirements cover repair welding of existing hardware. A commentary for the specification is included.

Single copy price: \$58.00

Obtain an electronic copy from: [roneill@aws.org](mailto:roneill@aws.org)

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

Send comments (with copy to BSR) to: Andrew Davis, (305) 443-9353, Ext. 466, [adavis@aws.org](mailto:adavis@aws.org); [roneill@aws.org](mailto:roneill@aws.org)

**Reaffirmations**

BSR/AWS C5.3-2000 (R201x), Recommended Practices for Air Carbon Arc Gouging and Cutting (reaffirmation of ANSI/AWS C5.3-2000)

Establishes a method of conveying to the welder/operator the proper setup and use of air carbon arc gouging and cutting. Instructions and procedures are supplied in detail so the welder/operator can establish the correct air pressure, amperage, voltage, and techniques.

Single copy price: \$25.00

Obtain an electronic copy from: [roneill@aws.org](mailto:roneill@aws.org)

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

Send comments (with copy to BSR) to: Andrew Davis, (305) 443-9353, Ext. 466, [adavis@aws.org](mailto:adavis@aws.org); [roneill@aws.org](mailto:roneill@aws.org)

**AWWA (American Water Works Association)****Revisions**

BSR/AWWA B302-201x, Ammonium Sulfate (revision of ANSI/AWWA B302-2005)

Describes ammonium sulfate, (NH<sub>4</sub>)<sub>2</sub>SO<sub>4</sub>, for use in water supply service and wastewater treatment.

Single copy price: \$20.00

Obtain an electronic copy from: [llobb@awwa.org](mailto:llobb@awwa.org)

Order from: Paul Olson, (303) 347-6178, [polson@awwa.org](mailto:polson@awwa.org); [llobb@awwa.org](mailto:llobb@awwa.org)

Send comments (with copy to BSR) to: Same

BSR/AWWA B303-201x, Sodium Chlorite (revision of ANSI/AWWA B303-2005)

Describes sodium chlorite, in either solid (granular, flake, or powdered) or aqueous-solution form, for use in making chlorine dioxide for use in water supply and wastewater treatment service.

Single copy price: \$20.00

Obtain an electronic copy from: [llobb@awwa.org](mailto:llobb@awwa.org)

Order from: Paul Olson, (303) 347-6178, [polson@awwa.org](mailto:polson@awwa.org); [llobb@awwa.org](mailto:llobb@awwa.org)

Send comments (with copy to BSR) to: Same

**CEA (Consumer Electronics Association)****Withdrawals**

ANSI/CEA 936-A-2006, Mini-USB Analog CarKit Interface (withdrawal of ANSI/CEA 936-A-2006)

Defines a standard method for routing audio and UART signals through a Mini-USB receptacle on a phone to an analog carkit and to other accessories such as chargers and RS232 devices. This specification is intended for developers of On-The-Go (OTG) transceivers, cell phones, carkits, and car stereos.

Single copy price: \$148.00

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

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

Send comments (with copy to BSR) to: Megan Hayes, (703) 907-7660, [mhayes@ce.org](mailto:mhayes@ce.org)

ANSI/CEA 2012-A-2006, MOST (R) Network Gateway for Aftermarket Products (withdrawal of ANSI/CEA 2012-A-2006)

Defines the requirements for implementing an aftermarket network based on the Media Oriented Systems Transport (MOST (R)) specification. This standard is based on the MOST Specification. CEA-2012-A documents the subset of requirements needed to create an aftermarket MOST network that can be used independent of any vehicle network and can also be connected to a factory-installed network if the vehicle manufacturer chooses to provide a gateway function. CEA-2012-A provides an overview of the requirements. Specific implementations need to be developed using the detailed MOST specifications.

Single copy price: \$66.00

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

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

Send comments (with copy to BSR) to: Megan Hayes, (703) 907-7660, [mhayes@ce.org](mailto:mhayes@ce.org)

**HI (Hydraulic Institute)****Revisions**

BSR/HI 9.6.7-201x, Rotodynamic (Centrifugal) Pumps for Design and Application (revision of ANSI/HI 9.6.7-2004)

Covers the performance correction of rotodynamic (centrifugal and vertical) pumps handling liquids exhibiting Newtonian-like characteristics with a viscosity greater than that of water. The standard includes a generalized method for predicting the performance of rotodynamic pumps. Theoretical methods based on loss analysis may provide more accurate predictions of the effects of liquid viscosity on pump performance when the geometry of a particular pump is known in more detail.

Single copy price: \$195.00

Obtain an electronic copy from: [gromanyshyn@pumps.org](mailto:gromanyshyn@pumps.org)

Order from: Gregory Romanyshyn, (973) 267-9700, [gromanyshyn@pumps.org](mailto:gromanyshyn@pumps.org)

Send comments (with copy to BSR) to: Same

BSR/HL 11.6-201x, Submersible Pump Tests (revision of ANSI/HL 11.6 - 2002)

Applies to acceptance testing Submersible Pumps driven by induction motors, unless otherwise agreed. A submersible pump is defined as a close-coupled pump/motor unit designed to operate submerged in pumped liquid, and includes submersible pumps operating in either a wet-pit or dry-pit environment.

Single copy price: \$75.00

Obtain an electronic copy from: kanderson@pumps.org

Order from: Karen Anderson, (973) 267-9700, kanderson@pumps.org

Send comments (with copy to BSR) to: Same

BSR/HL 12.1-12.6-201x, Rotodynamic (Centrifugal) Slurry Pumps for Nomenclature, Definitions, Applications, and Operation (revision of ANSI/HL 12.1-12.6-2005)

The Slurry Pump Committee will limit its activity to the above matters to rotodynamic pumps that handle abrasive slurries. Excluded are applications for wastewater pump.

Single copy price: \$195.00

Obtain an electronic copy from: kanderson@pumps.org

Order from: Karen Anderson, (973) 267-9700, kanderson@pumps.org

Send comments (with copy to BSR) to: Same

## HL7 (Health Level Seven)

### *New Standards*

BSR/HL7 V3 CPPV3MODELS, R1-201x, HL7 Version 3 Standard: Core Principles and Properties of Version 3 Models, Release 1 (new standard)

Core principles has been revised and restructured for this ballot to address issues from prior ballots. This ballot covers the foundations of the core V3 models - Vocabulary, Data Types, RIM - and their relationship to each other.

Single copy price: Free (HL7 members); \$650 (non-members)

Obtain an electronic copy from: Karenvan@HL7.org

Order from: Karen Van Hentenryck, (734) 677-7777 Ext 104, Karenvan@HL7.org

Send comments (with copy to BSR) to: Same

BSR/HL7 V3 ME DKBQ, R1-201x, HL7 Version 3 Standard: Pharmacy; Medication Knowledge-Base Query, Release 1 (new standard)

Covers the issuing of queries to medication knowledge-base applications for such information as medication composition, characteristics, and dosage instructions.

Single copy price: Free (HL7 members); \$650 (non-members)

Obtain an electronic copy from: Karenvan@HL7.org

Order from: Karen Van Hentenryck, (734) 677-7777 Ext 104, Karenvan@HL7.org

Send comments (with copy to BSR) to: Same

BSR/HL7 V3 RXCDSEVNT, R1-201x, HL7 Version 3 Standard: Pharmacy; Common Dispense and Supply Event, Release 1 (new standard)

Pertains to models and interactions that are common to any type of dispense or supply event. These have been separated from the Medication Dispense and Supply Event topic, because they also cover devices and other products.

Single copy price: Free (HL7 members); \$670 (non-members)

Obtain an electronic copy from: Karenvan@HL7.org

Order from: Karen Van Hentenryck, (734) 677-7777 Ext 104, Karenvan@HL7.org

Send comments (with copy to BSR) to: Same

BSR/HL7 V3 RXCOMORDER, R1-201x, HL7 Version 3 Standard: Pharmacy; Common Order, Release 1 (new standard)

Pertains to interactions that are common to any type of pharmacy-related order. These have been separated from the Medication Order topic, because they also cover devices and other products that can be ordered from pharmacies.

Single copy price: Free (HL7 members); \$650 (non-members)

Obtain an electronic copy from: Karenvan@HL7.org

Order from: Karen Van Hentenryck, (734) 677-7777 Ext 104, Karenvan@HL7.org

Send comments (with copy to BSR) to: Same

BSR/HL7 V3 RXMDSVNT, R1-201x, HL7 Version 3 Standard: Pharmacy; Medication Dispense and Supply Event, Release 1 (new standard)

Pertains to models and interactions that are common to any type of dispense or supply event. These have been separated from the Medication Dispense and Supply Event topic, because they also cover devices and other products.

Single copy price: Free (HL7 members); \$650 (non-members)

Obtain an electronic copy from: Karenvan@HL7.org

Order from: Karen Van Hentenryck, (734) 677-7777 Ext 104, Karenvan@HL7.org

Send comments (with copy to BSR) to: Same

BSR/HL7 V3 RXMSSEVNT, R1-201x, HL7 Version 3 Standard: Pharmacy; Medication Administration Event and Medication Statement, Release 1 (new standard)

This topic deals with:

- (a) the reporting of specific medication administration events; and
- (b) statements about medication use that are not tied to a specific prescription, dispense or administration.

The former category is usually relevant in institutional settings, whereas the latter is mostly used to include patient statements in the overall medication profile.

Single copy price: Free (HL7 members); \$650 (non-members)

Obtain an electronic copy from: Karenvan@HL7.org

Order from: Karen Van Hentenryck, (734) 677-7777 Ext 104, Karenvan@HL7.org

Send comments (with copy to BSR) to: Same

### *Revisions*

BSR/HL7 V3 RIM, R3-201x, HL7 Version 3 Standard: Reference Information Model, Release 3 (revision of ANSI/HL7 V3 RIM, R2-2010)

This is the FIRST round of normative balloting for RIM Release 3. The prior document (that was the basis for this NIB), passed in December 2009. Selected classes and attributes have been added or modified. These are detailed in the preface to the document.

Single copy price: Free (HL7 members); \$650 (non-members)

Obtain an electronic copy from: Karenvan@HL7.org

Order from: Karen Van Hentenryck, (734) 677-7777 Ext 104, Karenvan@HL7.org

Send comments (with copy to BSR) to: Same

## IPC (IPC - Association Connecting Electronics Industries)

### New Standards

BSR/IPC 1071-201x, Best Industry Practices for Intellectual Property Protection in Printed Board Manufacturing (new standard)

Assists printed board manufacturers in the development of requirements for the protection of intellectual property for their customers in commercial, industrial, and military and other high reliability markets. This standard will focus on protection of the inherent IP designed into the printed board such that IP flows from the customer to the PB manufacturer and IP that is incorporated into the PB is protected.

Single copy price: Free

Obtain an electronic copy from: [JeanneCooney@ipc.org](mailto:JeanneCooney@ipc.org)

Order from: Jeanne Cooney, (847) 597-2842, [JeanneCooney@ipc.org](mailto:JeanneCooney@ipc.org)

Send comments (with copy to BSR) to: Same

## ISA (ISA)

### Revisions

BSR/ISA 60079-11 (12.02.01)-201x, Explosive Atmospheres - Part 11: Equipment Protection by Intrinsic Safety "I" (revision of ANSI/ISA 60079-11 (12.02.01)-2009)

Specifies the construction and testing of intrinsically safe apparatus intended for use in Class I, Zone 0, 1, or 2 hazardous (classified) locations as defined by the "American National Standard National Electrical Code," ANSI/NFPA 70 and for associated apparatus, which is intended for connection to intrinsically safe circuits that enter such atmospheres.

Single copy price: \$265.00

Obtain an electronic copy from: [ebeattie@isa.org](mailto:ebeattie@isa.org)

Order from: Eliana Beattie, (919) 990-9228, [ebeattie@isa.org](mailto:ebeattie@isa.org)

Send comments (with copy to BSR) to: Same

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

### New Standards

BSR INCITS 470-201x, Information technology - Framing and Signaling - 3 (FC-FS-3) (new standard)

Describes the framing and signaling interface of a high-performance serial link for support of FC-4s associated with upper level protocols (e.g., SCSI, IP, SBCCS, VI). This standard is based on FC-FS-2 (ISO/IEC 14165-252) with subsequent modifications approved by the member body that originally authored and approved FC-FS-2.

Single copy price: \$30.00

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

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

Send comments (with copy to BSR) to: Barbara Bennett, (202) 626-5743, [bbennett@itic.org](mailto:bbennett@itic.org)

## NCPDP (National Council for Prescription Drug Programs)

### New Standards

BSR/NCPDP Specialized Standard WG10000520xxxx-201x, NCPDP Specialized Standard WG10000520xxxx (new standard)

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.

Single copy price: \$200 (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)

Send comments (with copy to BSR) to: Same

### Revisions

BSR/NCPDP FB v3.0-201x, Formulary and Benefit Standard v3.0 (revision and redesignation of ANSI/NCPDP FB V2.1-2008a)

Provides a standard means for pharmacy benefit payers (including health plans and Pharmacy Benefit Managers) to communicate formulary and benefit information to prescribers via technology vendor systems.

Single copy price: \$200 (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)

Send comments (with copy to BSR) to: Same

BSR/NCPDP MR v05.00-201x, Manufacturer Rebate Utilization, Plan, Formulary, Market Basket, and Reconciliation Flat File Standard v05.00 (revision and redesignation of ANSI/NCPDP MR V04.01-2007)

Provides a standardized format for the electronic submission of rebate information from Pharmacy Management Organizations (PMOs) to Pharmaceutical Industry Contracting Organizations (PICOs). The four (4) file formats are intended to be used in an integrated manner, with the utilization file being supported by the plan, formulary, and market basket files. However, any of the four (4) files may be used independently. The Standard Flat File layouts provide detailed information on the file design and requirements for each of the four (4) files.

Single copy price: \$200 (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)

Send comments (with copy to BSR) to: Same

BSR/NCPDP SC WG11004420xxxx-201x, NCPDP SCRIPT Standard WG11004420xxxx (revision and redesignation of ANSI/NCPDP SC V10.11-2010)

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 (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)

Send comments (with copy to BSR) to: Same

BSR/NCPDP TC vD.6-201x, NCPDP Telecommunication Standard vD.6 (revision and redesignation of ANSI/NCPDP TC vD.5-201x)

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.

Single copy price: \$200 (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)

Send comments (with copy to BSR) to: Same

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

### **New Standards**

BSR ICEA S-83-596-201x, ICEA Standard for Indoor Optical Fiber Cable (new standard)

Revises the standard for indoor optical fiber cables capable of being used as part of an indoor communications cable system. This standard brings the language, terminology, and testing up to current industry practices and helps to harmonize, where practical, with other industry standards.

Single copy price: \$115.00

Obtain an electronic copy from: [chris.henderson@nema.org](mailto:chris.henderson@nema.org)

Order from: Insulated Cable Engineer Association, Inc., P.O. Box 1568, Carrollton, GA, 30112

Send comments (with copy to BSR) to: Chris Henderson, (703) 841-3271, [chris.henderson@nema.org](mailto:chris.henderson@nema.org)

## **NSF (NSF International)**

### **Revisions**

BSR/NSF 41-201x (i5), Non-liquid saturated treatment systems (revision of ANSI/NSF 40-2000)

Issue 5 - Allows for the review of ANSI/NSF 41 in its entirety. Normative reference changes are proposed in section 2.

Single copy price: Free

Obtain an electronic copy from:

[http://standards.nsf.org/apps/group\\_public/document.php?document\\_id=9188](http://standards.nsf.org/apps/group_public/document.php?document_id=9188)

Order from: Mindy Costello, (734) 827-6819, [mcostello@nsf.org](mailto:mcostello@nsf.org)

Send comments (with copy to BSR) to: Same

BSR/NSF 49-201x (i29), Biosafety Cabinetry: Design, Construction, Performance and Field Certification (revision of ANSI/NSF 49-2009)

Issue 29: Revises sections relating to uniform and zoned downflow.

Single copy price: Free

Obtain an electronic copy from:

[http://standards.nsf.org/apps/group\\_public/document.php?document\\_id=9173](http://standards.nsf.org/apps/group_public/document.php?document_id=9173)

Order from: Joan Hoffman, (734) 769-5159, [jhoffman@nsf.org](mailto:jhoffman@nsf.org)

Send comments (with copy to BSR) to: Same

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

### **New Standards**

BSR/SCTE 169-1-201x, IPCablecom SMA Part 1: Architecture Framework Technical Report (new standard)

Describes the Security, Monitoring, and Automation (SMA) architecture, including all major system components and the network interfaces. The intended audience for this document includes developers of equipment who intend to conform to the SMA standards and network architects who need to understand the overall SMA architecture framework.

Single copy price: \$50.00

Obtain an electronic copy from: [standards@scte.org](mailto:standards@scte.org)

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

Send comments (with copy to BSR) to: [standards@scte.org](mailto:standards@scte.org)

BSR/SCTE 169-2-201x, IPCablecom SMA Part 2: Security, Monitoring, and Automation Specification (new standard)

Specifies the Signaling, Media, Quality of Service (QoS), and Security requirements to support the PacketCable SMA Architecture.

Single copy price: \$50.00

Obtain an electronic copy from: [standards@scte.org](mailto:standards@scte.org)

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

Send comments (with copy to BSR) to: [standards@scte.org](mailto:standards@scte.org)

BSR/SCTE 169-3-201x, IPCablecom SMA Part 3: Provisioning Specification (new standard)

Describes the provisioning and management of IPCablecom Security, Monitoring, and Automation (SMA) Gateways. The purpose is to specify the device, network and protocol requirements to configure and manage SMA gateways, along with the associated data element definitions. Provisioning and managing the SMA devices (e.g., controls and sensors) are out of scope of this document.

Single copy price: \$50.00

Obtain an electronic copy from: [standards@scte.org](mailto:standards@scte.org)

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

Send comments (with copy to BSR) to: [standards@scte.org](mailto:standards@scte.org)

### **Revisions**

BSR/SCTE 67-201x, Recommended Practice for SCTE 35 Digital Program Insertion Cueing Message for Cable (revision of ANSI/SCTE 67-2006)

Serves as an informational enhancement to SCTE 35, Digital Program Insertion Cueing Message for Cable. SCTE 35 is necessarily brief in many areas in order to maintain conciseness and accuracy. This document serves as a companion to SCTE 35.

Single copy price: \$50.00

Obtain an electronic copy from: [standards@scte.org](mailto:standards@scte.org)

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

Send comments (with copy to BSR) to: [standards@scte.org](mailto:standards@scte.org)

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

### **New Standards**

BSR/UL 2790-201x, Standard for Safety for Commercial Incinerators (new standard)

Provides revisions to the proposed first edition of UL 2790 proposal dated 5-14-10.

Single copy price: Contact comm2000 for pricing and delivery options

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

Order from: comm2000

Send comments (with copy to BSR) to: Tim Corder, (919) 549-1841, [William.T.Corder@us.ul.com](mailto:William.T.Corder@us.ul.com)

### **New National Adoptions**

BSR/UL 60947-4-1A-201x, Standard for Safety for Low-Voltage Switchgear and Controlgear - Part 4-1: Contactors and motor-starters - Electromechanical contactors and motor-starters (national adoption with modifications and revision of ANSI/UL 60947-4-1A-2007)

Covers harmonization of IEC utilization categories with the UL ratings for control of external loads.

Single copy price: Contact comm2000 for pricing and delivery options

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

Order from: comm2000

Send comments (with copy to BSR) to: Megan Sepper, (847) 664-3411, [Megan.M.Sepper@us.ul.com](mailto:Megan.M.Sepper@us.ul.com)

## Revisions

BSR/UL 508-201x, Standard for Safety for Industrial Control Equipment (revision of ANSI/UL 508-2008)

Covers:

- Equipment doors opening 90 degrees from the closed position;
- New requirements for cord-connected products;
- Revision to feeder circuit requirements in 36.1;
- Revision to thermocouple requirement in 43.19;
- Overload test for elevator controls;
- Field wiring terminals marking;
- Addition of D-C Offset Test;
- Revision to Abnormal Operation Test; and
- Miscellaneous revisions to correct and clarify requirements.

Single copy price: Contact comm2000 for pricing and delivery options

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

Order from: comm2000

Send comments (with copy to BSR) to: Megan Sepper, (847) 664-3411, [Megan.M.Sepper@us.ul.com](mailto:Megan.M.Sepper@us.ul.com)

BSR/UL 845-201x, Standard for Safety for Motor Control Centers (revision of ANSI/UL 845-2005)

See [page 12](#) for the scope of this standard.

Single copy price: Contact comm2000 for pricing and delivery options

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

Order from: comm2000

Send comments (with copy to BSR) to: Valara Davis, (919) 549-0921, [Valara.Davis@us.ul.com](mailto:Valara.Davis@us.ul.com)

BSR/UL 1004-3-201x, Standard for Safety for Thermally Protected Motors (Proposal dated 09-03-10) (revision of ANSI/UL 1004-3-2010)

The proposals include:

- (1) Intentionally Weak Traces (IWT); and
- (2) Damage to a disabled protection circuit.

Single copy price: Contact comm2000 for pricing and delivery options

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

Order from: comm2000

Send comments (with copy to BSR) to: Jonette Herman, (919) 549-1479, [Jonette.A.Herman@us.ul.com](mailto:Jonette.A.Herman@us.ul.com)

BSR/UL 1123-201x, Standard for Marine Buoyant Devices (revision of ANSI/UL 1123-2010)

These three proposals include revisions to:

- the Dynamic Strength Test;
- Buoyancy Scale Accuracy; and
- the requirements for Measuring Excess Body Strap Lengths.

Single copy price: Contact comm2000 for pricing and delivery options

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

Order from: comm2000

Send comments (with copy to BSR) to: Betty McKay, (919) 549-1896, [betty.c.mckay@us.ul.com](mailto:betty.c.mckay@us.ul.com)

## Comment Deadline: November 2, 2010

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

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

#### New Standards

BSR ASSE A10.26-201x, Emergency Procedures for Construction and Demolition Sites (new standard)

The standard applies to those emergency procedures involving:

- (1) fires, collapses, hazardous spills and other emergencies that could endanger workers;
- (2) emergency rescue of injured or ill workers or other persons, or of uninjured workers unable to rescue themselves;
- (3) on-site provision of first aid and emergency medical care;
- (4) evacuation and transportation of injured or ill workers to appropriate emergency medical facilities;
- (5) pre-planning and coordination of emergency plan with emergency medical facilities; and
- (6) training on emergency procedures/plans for workers and other groups.

Single copy price: \$50.00

Order from: Tim Fisher, (847) 768-3411, [TFisher@ASSE.org](mailto:TFisher@ASSE.org)

Send comments (with copy to BSR) to: Same

### UL (Underwriters Laboratories, Inc.)

#### New National Adoptions

BSR/UL 60335-1-201x, Household and Similar Electrical Appliances, Part 1: General Requirements (national adoption with modifications and revision of ANSI/UL 60335-1-2005)

Covers the proposed adoption of IEC 60335-1, Safety Standard for Household and Similar Electrical Appliances, Part 1: General Requirements, (Edition 4.2, Issued by the IEC September 2006) as the First Edition of the UL/CSA/ANCE 60335-1A.

Single copy price: Contact comm2000 for pricing and delivery options

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

Order from: comm2000

Send comments (with copy to BSR) to: Amy Walker, (847) 664-2023, [Amy.K.Walker@us.ul.com](mailto:Amy.K.Walker@us.ul.com)

## Projects Withdrawn from Consideration

An accredited standards developer may abandon the processing of a proposed new or revised American National Standard or portion thereof if it has followed its accredited procedures. The following projects have been withdrawn accordingly:

### ASME (American Society of Mechanical Engineers)

BSR/ASME A112.18.1-201x/CSA B125.1-201x, Plumbing Fixture Fittings (revision, redesignation and consolidation of ASME A112.18.7-1999 (R2004), ASME A112.18.1-2005/CSA B125.1-2005, ASME A112.18.1/CSA B125.1 Supplement 1-2006, and ASME A112.18.1/CSA B125.1 Supplement 2-2007)



## Technical Reports Registered with ANSI

Technical Reports Registered with ANSI are not consensus documents. Rather, all material contained in Technical Reports Registered with ANSI is informational in nature. Technical reports may include, for example, reports of technical research, tutorials, factual data obtained from a survey carried out among standards developers and/or national bodies, or information on the "state of the art" in relation to standards of national or international bodies on a particular subject.

Immediately following the end of a 30-day announcement period in Standards Action, the Technical Report will be registered by ANSI. Please submit any comments regarding this registration to the organization indicated, with a copy to the PSA Center, American National Standards Institute, 25 West 43rd Street, New York, NY 10036 or E-Mail to [psa@ansi.org](mailto:psa@ansi.org).

### Comment Deadline: October 3, 2010

#### ISA (ISA)

ISA TR77.70.01-2010, Tracking and Reporting of Instrument and Control Data (TECHNICAL REPORT) (technical report)

Provides guidance in the design and function of a method for instrument tracking and documentation control that is adaptable for use by multiple plants and is compatible with many of the available plant-site-distributed control systems.

Single copy price: \$55.00

Order from: Eliana Beattie, (919) 990-9228, [ebeattie@isa.org](mailto:ebeattie@isa.org)

Send comments (with copy to BSR) to: Same

## National Fire Protection Association

### NFPA (National Fire Protection Association)

For ordering and comment information, see [page 13](#).

#### New Standards

BSR/NFPA 2-201x, Hydrogen Technologies Code (new standard)

Provides fundamental safeguards for the generation, installation, storage, piping, use, and handling of hydrogen in compressed gas (GH2) form or cryogenic liquid (LH2) form. This code shall apply to the production, storage, transfer, and use of hydrogen in all occupancies.

BSR/NFPA 1984-201x, Standard on Respirators for Wildland Fire-Fighting Operations (new standard)

Specifies the minimum design, performance, testing, and certification requirements for respirators to provide protection from inhalation hazards for personnel conducting wildland fire-fighting operations. This standard shall specify respirator requirements only for use in non-IDLH (Immediate Dangerous to Life and Health) wildland environments during wildland fire-fighting operations.

#### Revisions

BSR/NFPA 12-201x, Standard on Carbon Dioxide Extinguishing Systems (revision of ANSI/NFPA 12-2008)

Contains minimum requirements for carbon dioxide fire-extinguishing systems. This standard includes only the necessary essentials to make it workable in the hands of those skilled in this field. Portable carbon dioxide equipment is covered in NFPA 10. The use of carbon dioxide for inerting is covered in NFPA 69.

BSR/NFPA 16-201x, Standard for the Installation of Foam-Water Sprinkler and Foam-Water Spray Systems (revision of ANSI/NFPA 16-2006)

Contains minimum requirements for the design, installation, and maintenance of foam-water sprinkler and spray systems. These systems shall be designed with the required density for either foam or water application as the controlling factor, depending on the design purpose of the system.

BSR/NFPA 18A-201x, Standard on Water Additives for Fire Control and Vapor Mitigation (revision of ANSI/NFPA 18A-2006)

Provides the minimum requirements for water additives used for the control and/or suppression of fire and mitigation of flammable vapors.

BSR/NFPA 31-201x, Standard for the Installation of Oil-Burning Equipment (revision of ANSI/NFPA 31-2006)

Applies to the installation of stationary oil-burning equipment and appliances, including but not limited to industrial-, commercial-, and residential-type steam, hot water, or warm air heating plants; domestic-type range burners and space heaters; and portable oil-burning equipment. This standard shall also apply to:

- all accessory equipment and control systems, whether electric, thermostatic, or mechanical, and all electrical wiring connected to oil-fired equipment;
- the installation of oil storage and supply systems connected to oil-fired equipment and appliances;
- those multi-fueled appliances in which fuel oil is one of the optional fuels.

BSR/NFPA 32-201x, Standard for Drycleaning Plants (revision of ANSI/NFPA 32-2007)

Applies to establishments that are defined in this standard as "drycleaning plants".

BSR/NFPA 35-201x, Standard for the Manufacture of Organic Coatings (revision of ANSI/NFPA 35-2005)

Applies to facilities that use flammable and combustible liquids, as defined in this standard, to manufacture organic coatings for automotive, industrial, institutional, household, marine, printing, transportation, and other applications.

BSR/NFPA 51A-201x, Standard for Acetylene Cylinder Charging Plants (revision of ANSI/NFPA 51A-2006)

Applies to plants that are engaged in the generation and compression of acetylene and in the charging of acetylene cylinders, either as their sole operation or in conjunction with facilities for charging other compressed gas cylinders.

BSR/NFPA 79-201x, Electrical Standard for Industrial Machinery (revision of ANSI/NFPA 79-2002)

Applies to the electrical/electronic equipment, apparatus, or systems of industrial machines operating from a nominal voltage of 600 volts or less, and commencing at the point of connection of the supply to the electrical equipment of the machine.

BSR/NFPA 85-201x, Boiler and Combustion Systems Hazards Code (revision of ANSI/NFPA 85-2006)

Applies to single-burner boilers, multiple-burner boilers, stokers, and atmospheric fluidized-bed boilers with a fuel input rating of 3.7 MWt (12.5 million Btu/hr) or greater, to pulverized fuel systems, to fired or unfired steam generators used to recover heat from combustion turbines [heat recovery steam generators (HRSGs)], and to other combustion turbine exhaust systems. This code shall cover design, installation, operation, maintenance, and training. This code shall also cover strength of the structure, operation and maintenance procedures, combustion and draft control equipment, safety interlocks, alarms, trips, and other related controls that are essential to safe equipment operation.

BSR/NFPA 102-201x, Standard for Grandstands, Folding and Telescopic Seating, Tents, and Membrane Structures (revision of ANSI/NFPA 102-2006)

This standard addresses the following:

- (1) The construction, location, protection, and maintenance of grandstands and bleachers, folding and telescopic seating, tents, and membrane structures and
- (2) Seating facilities located in the open air or within enclosed or semi-enclosed structures such as tents, membrane structures, and stadium complexes.

BSR/NFPA 253-201x, Standard Method of Test for Critical Radiant Flux of Floor Covering Systems Using a Radiant Heat Energy Source (revision of ANSI/NFPA 253-2006)

Describes a procedure for measuring critical radiant flux behavior of horizontally mounted floor covering systems exposed to a flaming ignition source in a graded, radiant heat energy environment within a test chamber. The specimen can be mounted over underlayment or over a simulated concrete structural floor, bonded to a simulated structural floor, or otherwise mounted in a typical and representative way.

BSR/NFPA 262-201x, Standard Method of Test for Flame Travel and Smoke of Wires and Cables for Use in Air-Handling Spaces (revision of ANSI/NFPA 262-2002 (R2007))

Prescribes the methodology to measure flame travel distance and optical density of smoke for insulated, jacketed, or both, electrical wires and cables and optical fiber cables that are to be installed in plenums and other spaces used to transport environmental air without being enclosed in raceways.

BSR/NFPA 265-201x, Standard Methods of Fire Tests for Evaluating Room Fire Growth Contribution of Textile Coverings on Full Height Panels and Walls (revision of ANSI/NFPA 265-2007)

Describes a test method for determining the contribution of textile wall coverings to room fire growth during specified fire exposure conditions. This test method shall be used to evaluate the flammability characteristics of textile wall coverings where such materials constitute the exposed interior surfaces of buildings and demountable, relocatable, full-height partitions used in open building interiors.

BSR/NFPA 286-201x, Standard Methods of Fire Tests for Evaluating Contribution of Wall and Ceiling Interior Finish to Room Fire Growth (revision of ANSI/NFPA 286-2006)

Describes a method for determining the contribution of interior finish materials to room fire growth during specified fire exposure conditions. This method shall be used to evaluate the flammability characteristics of wall and ceiling interior finish, other than textile wall coverings, where such materials constitute the exposed interior surfaces of buildings.

BSR/NFPA 418-201x, Standard for Heliports (revision of ANSI/NFPA 418-2006)

Specifies the minimum requirements for fire protection for heliports and rooftop hangars.

BSR/NFPA 730-201x, Guide for Premises Security (revision of ANSI/NFPA 730-2008)

Describes construction, protection, occupancy features, and practices intended to reduce security vulnerabilities to life and property. This guide is not intended to supersede government statutes or regulations.

BSR/NFPA 731-201x, Standard for the Installation of Electronic Premises Security Systems (revision of ANSI/NFPA 731-2008)

Covers the application, location, installation, performance, testing, and maintenance of electronic premises security systems and their components.

BSR/NFPA 921-201x, Guide for Fire and Explosion Investigations (revision of ANSI/NFPA 921-2008)

Designed to assist individuals who are charged with the responsibility of investigating and analyzing fire and explosion incidents and rendering opinions as to the origin, cause, responsibility, or prevention of such incidents.

BSR/NFPA 1192-201x, Standard on Recreational Vehicles (revision of ANSI/NFPA 1192-2008)

This standard covers fire and life safety criteria for recreational vehicles.

BSR/NFPA 1194-201x, Standard for Recreational Vehicle Parks and Campgrounds (revision of ANSI/NFPA 1194-2008)

Provides minimum construction requirements for safety and health for occupants using facilities supplied by recreational vehicle parks and campgrounds offering temporary living sites for use by recreational vehicles, recreational park trailers, and other camping units.

BSR/NFPA 1405-201x, Guide for Land-Based Fire Fighters Who Respond to Marine Vessel Fires (revision of ANSI/NFPA 1405-2006)

Identifies the elements of a comprehensive marine fire-fighting response program including, but not limited to, vessel familiarization, training considerations, pre-fire planning, and special hazards that enable land-based fire fighters to extinguish vessel fires safely and efficiently. In general, the practices recommended in this publication apply to vessels that call at United States ports or that are signatory to the Safety of Life at Sea (SOLAS) agreement.

BSR/NFPA 1912-201x, Standard for Fire Apparatus Refurbishing (revision of ANSI/NFPA 1912-2006)

Specifies the minimum requirements for the refurbishing of automotive fire apparatus utilized for fire fighting and rescue operations, whether the refurbishing is done at the fire department or municipal maintenance facilities, or at the facilities of private contractors or apparatus manufacturers.

BSR/NFPA 1977-201x, Standard on Protective Clothing and Equipment for Wildland Fire Fighting (revision of ANSI/NFPA 1977-2005)

Specifies the minimum design, performance, testing, and certification requirements for protective clothing, helmets, gloves, and footwear that are designed to protect fire fighters against adverse environmental effects during wildland fire-fighting operations. This standard shall specify the minimum design and certification requirements for fire shelters that are designed to protect fire fighters against adverse environmental effects during wildland fire-fighting operations. This standard shall apply to design, manufacturing, and certification of new protective clothing and equipment. This standard shall not apply to wildland protective clothing, equipment, and fire shelters manufactured to previous editions of NFPA 1977.

BSR/NFPA 2001-201x, Standard on Clean Agent Fire Extinguishing Systems (revision of ANSI/NFPA 2001-2008)

Contains minimum requirements for total flooding and local application clean agent fire extinguishing systems. This standard does not cover fire-extinguishing systems that use carbon dioxide or water as the primary extinguishing media, which are addressed by other NFPA documents.

### **Reaffirmations**

BSR/NFPA 901-2006 (R201x), Standard Classifications for Incident Reporting and Fire Protection Data (reaffirmation of ANSI/NFPA 901-2006)

Describes and defines data elements and classifications used by many fire departments in the United States and other countries to describe fire-damage potential and experience during incidents. This standard does not provide guidelines for a reporting system or related forms.

**Withdrawals**

ANSI/NFPA 251-2006, Standard Methods of Tests of Fire Resistance of Building Construction and Materials (withdrawal of ANSI/NFPA 251-2006)

Applies to assemblies of masonry units and to composite assemblies of structural materials for buildings, including bearing and other walls and partitions, columns, girders, beams, slabs, and composite slab and beam assemblies for floors and roofs. They also shall apply to other assemblies and structural units that constitute permanent integral parts of a finished building. It is the intention of this standard that classifications be based on performance during the period of exposure and shall not be used to determine suitability for use after fire exposure.

## BSR/UL 845-201x, Standard for Safety for Motor Control Centers (revision of ANSI/UL 845-2005)

The following changes are being proposed:

- Addition of 4.2;
- Revision of 6.3;
- Revision of 6.3.50;
- Addition of 6.3.62;
- Revision of wording in Tables 7, 8, and 9;
- Revision of 8.1.7.0 and addition of 8.2.25.6;
- Revision of 8.2.4.1;
- Revision to 8.2.10.3;
- Addition of 8.2.13.15 and 8.2.13.16;
- Revision of clauses to reference Table 17;
- Addition of 8.2.20.7 (d);
- Revision of 8.2.26.11;
- Revision of 8.2.31.3.1;
- Revision of 9.3.18;
- Revision of 9.10.3.3, 9.10.10.5, and 8.3.10;
- Revision of 9.10.7;
- Revision of 9.12.1.6;
- Revision of 9.12.6.3 and addition of 9.12.6.4;
- Revision of Table 19;
- Revision of Table 20;
- Revision of Table 22;
- Revision of Table 24; and
- Revisions to Table 27.

Single copy price: Contact comm2000 for pricing and delivery options

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

Order from: comm2000

Send comments (with copy to BSR) to Valera Davis, (919) 549-0921,  
[Valera.Davis@us.ul.com](mailto:Valera.Davis@us.ul.com)

To return to main listings, [click here](#).

## NFPA FIRE PROTECTION STANDARDS DOCUMENTATION

The National Fire Protection Association announced the availability of its semi-annual NFPA *Report on Proposals* (ROP 2010 FRC) for concurrent review and comment by NFPA and ANSI, in the Volume 41 of Standards Action.

The disposition of all comments received will now be published in the semi-annual NFPA *Report on Comments* (ROC 2010 FRC).

*Report on Comments* for 2010 Fall Revision Cycle was released on August 27, 2010, and contains the disposition of comments received for those proposed documents listed below. As a result of the comments, changes may have been made to some of the Reports, and these changes are included in the *Report on Comments*. Anyone wishing to review the Report on Comments for the 2010 Fall Revision Cycle may do so at <http://www.nfpa.org/ROPROC>, or may secure a copy from:

2010 Fall Revision Cycle *Report on Comments*  
National Fire Protection Association  
Publication Sales Department  
11 Tracy Drive  
Avon, MA 02322

These documents are for the NFPA 2010 Fall Revision Cycle. The proposed NFPA documents addressed in the *Report on Proposals* (ROP) and in the follow-up *Report on Comments* (ROC) will only be presented for action at the NFPA June 2011 Association Technical Meeting to be held June 13-16, 2011 in Boston, Massachusetts, when proper Amending Motions have been submitted to the NFPA by the deadline of October 22, 2010. Documents that receive no motions will not be presented at the meeting and instead will be forwarded directly to the Standards Council for action on issuance. For more information on the rules and for up-to-date information on schedules and deadlines for processing NFPA Documents, check the NFPA website (<http://www.nfpa.org>) or contact NFPA's Codes and Standards Administration. Those who sent comments to NFPA (Contact Codes and Standards Administration, NFPA, One Batterymarch Park, Quincy, MA 02269-7471) on the related standards are invited to copy ANSI's Board of Standards Review.

# Call for Comment Contact Information

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

## Order from:

### ANSI

American National Standards  
Institute  
25 West 43rd Street  
4th Floor  
New York, NY 10036  
Phone: (212) 642-4980

### API (Organization)

American Petroleum Institute  
1220 L Street, NW  
Washington, DC 20005-4070  
Phone: (202) 682-8056  
Fax: (202) 682-8051  
Web: [www.api.org](http://www.api.org)

### ASABE

American Society of Agricultural  
and Biological Engineers  
2950 Niles Road  
St Joseph, MI 49085  
Phone: (269) 932-7015  
Fax: (269) 429-3852  
Web: [www.asabe.org](http://www.asabe.org)

### ASME

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

### ASSE-Safety

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

### AWS

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

### AWWA

American Water Works  
Association  
6666 West Quincy Avenue  
Denver, CO 80235  
Phone: (303) 347-6178  
Fax: (303) 795-7603  
Web:  
[www.awwa.org/asp/default.asp](http://www.awwa.org/asp/default.asp)

### comm2000

1414 Brook Drive  
Downers Grove, IL 60515

### Global Engineering Documents

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

### HI

Hydraulic Institute  
6 Campus Drive, 1st Fl North  
Parsippany, NJ 07054  
Phone: (973) 267-9700  
Fax: (973) 267-9055  
Web: [www.pumps.org](http://www.pumps.org)

### HL7

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

### IPC

IPC - Association Connecting  
Electronics Industries  
3000 Lakeside Drive, Suite 309-S  
Bannockburn, IL 60015  
Phone: (847) 597-2842  
Fax: (847) 615-5642  
Web: [www.ipc.org](http://www.ipc.org)

### ISA (Organization)

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

### NCPDP

National Council for Prescription  
Drug Programs  
9240 East Raintree Drive  
Scottsdale, AZ 85260  
Phone: (512) 291-1356  
Fax: (480) 767-1042  
Web: [www.ncpdp.org](http://www.ncpdp.org)

### NFPA

National Fire Protection  
Association  
One Batterymarch Park  
Quincy, MA 02169-7471  
Phone: (617) 770-3000  
Fax: (617) 770-3500  
Web: [www.nfpa.org](http://www.nfpa.org)

### NSF

NSF International  
789 N. Dixboro Road  
Ann Arbor, MI 48105  
Phone: (734) 769-5159  
Fax: (734) 827-6176  
Web: [www.nsf.org](http://www.nsf.org)

## Send comments to:

### **API (Organization)**

American Petroleum Institute  
1220 L Street, NW  
Washington, DC 20005-4070  
Phone: (202) 682-8056  
Fax: (202) 682-8051  
Web: [www.api.org](http://www.api.org)

### **ASABE**

American Society of Agricultural  
and Biological Engineers  
2950 Niles Road  
St Joseph, MI 49085  
Phone: (269) 932-7015  
Fax: (269) 429-3852  
Web: [www.asabe.org](http://www.asabe.org)

### **ASME**

American Society of Mechanical  
Engineers (ASME)  
3 Park Avenue, 20th Floor  
New York, NY 10016  
Phone: (212) 591-8017  
Web: [www.asme.org](http://www.asme.org)

### **ASSE-Safety**

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

### **AWS**

American Welding Society  
550 N.W. LeJeune Road  
Miami, FL 33126  
Phone: (305) 443-9353, Ext. 466  
Fax: (305) 443-5951  
Web: [www.aws.org](http://www.aws.org)

### **AWWA**

American Water Works  
Association  
6666 West Quincy Avenue  
Denver, CO 80235  
Phone: (303) 347-6178  
Fax: (303) 795-7603  
Web:  
[www.awwa.org/asp/default.asp](http://www.awwa.org/asp/default.asp)

### **CEA**

Consumer Electronics Association  
1919 S. Eads Street  
Arlington, VA 22202  
Phone: (703) 907-7660  
Fax: (703) 907-8113  
Web: [www.ce.org](http://www.ce.org)

### **HI**

Hydraulic Institute  
6 Campus Drive, 1st Fl North  
Parsippany, NJ 07054  
Phone: (973) 267-9700  
Fax: (973) 267-9055  
Web: [www.pumps.org](http://www.pumps.org)

### **HL7**

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

### **IPC**

IPC - Association Connecting  
Electronics Industries  
3000 Lakeside Drive, Suite 309-S  
Bannockburn, IL 60015  
Phone: (847) 597-2842  
Fax: (847) 615-5642  
Web: [www.ipc.org](http://www.ipc.org)

### **ISA (Organization)**

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

### **ITI (INCITS)**

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

### **NCPDP**

National Council for Prescription  
Drug Programs  
9240 East Raintree Drive  
Scottsdale, AZ 85260  
Phone: (512) 291-1356  
Fax: (480) 767-1042  
Web: [www.ncdpd.org](http://www.ncdpd.org)

### **NEMA (ASC C8)**

National Electrical Manufacturers  
Association  
1300 North 17th Street, Suite 1752  
Rosslyn, VA 22209  
Phone: (703) 841-3271  
Web: [www.nema.org](http://www.nema.org)

### **NFPA**

National Fire Protection  
Association  
One Batterymarch Park  
Quincy, MA 02169-7471  
Phone: (617) 770-3000  
Fax: (617) 770-3500  
Web: [www.nfpa.org](http://www.nfpa.org)

### **NSF**

NSF International  
789 N. Dixboro Road  
Ann Arbor, MI 48105  
Phone: (734) 769-5159  
Fax: (734) 827-6176  
Web: [www.nsf.org](http://www.nsf.org)

### **SCTE**

Society of Cable  
Telecommunications Engineers  
140 Philips Road  
Exton, PA 19341-1318  
Phone: (610) 594-7316  
Fax: (610) 363-5898  
Web: [www.scte.org](http://www.scte.org)

### **SDI (Canvass)**

Steel Deck Institute  
10 SW 1st Avenue  
Gainesville, FL 32601  
Phone: (352) 378-0448  
Fax: 352-373-1331  
Web: [www.sdi.org](http://www.sdi.org)

### **UL**

Underwriters Laboratories, Inc.  
333 Pfingsten Road  
Northbrook, IL 60062  
Phone: (847) 664-3411  
Fax: (847) 313-3411  
Web: [www.ul.com/](http://www.ul.com/)

# 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.

## ASA (ASC S2) (Acoustical Society of America)

**Office:** 35 Pinelawn Road  
Suite 114E  
Melville, NY 11747

**Contact:** Susan Blaeser

**Phone:** (631) 390-0215

**Fax:** (631) 390-0217

**E-mail:** sblaeser@aip.org; asastds@aip.org

BSR/ASA S2.72/Part 1 Amd. 1-2010 / ISO 2631-1 Amd. 1:2010,  
Evaluation of human exposure to whole-body vibration - Part 1:  
General requirements - Amendment 1 (identical national adoption of  
ISO 2631-1 Amd. 1:2010)

BSR/ASA S2.72/Part 4 Amd. 1-2010 / ISO 2631-4 Amd. 1:2010,  
Evaluation of human exposure to whole-body vibration - Part 4:  
Guidelines for the evaluation of the effect of vibration and rotational  
motion on passenger and crew comfort in fixed-guideway transport  
systems - Amendment 1 (identical national adoption of ISO 2631-4  
Amd:2010)

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

**Office:** 1800 East Oakton Street  
Des Plaines, IL 60018-2187

**Contact:** Tim Fisher

**Phone:** (847) 768-3411

**Fax:** (847) 768-3411

**E-mail:** TFisher@ASSE.org

BSR ASSE A10.26-201x, Emergency Procedures for Construction and  
Demolition Sites (new standard)

## AWWA (American Water Works Association)

**Office:** 6666 West Quincy Avenue  
Denver, CO 80235

**Contact:** Paul Olson

**Phone:** (303) 347-6178

**Fax:** (303) 795-7603

**E-mail:** polson@awwa.org; llobb@awwa.org

BSR/AWWA B302-201x, Ammonium Sulfate (revision of ANSI/AWWA  
B302-2005)

BSR/AWWA B303-201x, Sodium Chlorite (revision of ANSI/AWWA  
B303-2005)

## CEA (Consumer Electronics Association)

**Office:** 1919 S. Eads Street  
Arlington, VA 22202

**Contact:** Megan Hayes

**Phone:** (703) 907-7660

**Fax:** (703) 907-8113

**E-mail:** mhayes@ce.org

ANSI/CEA 936-A-2006, Mini-USB Analog CarKit Interface (withdrawal of  
ANSI/CEA 936-A-2006)

## DISA (ASC X12) (Data Interchange Standards Association)

**Office:** 7600 Leesburg Pike, Suite 430  
Falls Church, VA 22043

**Contact:** Yvonne Meding

**Phone:** (703) 970-2051

**Fax:** (703) 970-4488

**E-mail:** ymeding@disa.org

BSR X12.5-201x, Interchange Control Structures (revision of ANSI  
X12.5-2004 (R2008))

BSR X12.7-201x, Context-Inspired Component Architecture (CICA)  
Technical Specification and XML Schema Syntax Representation  
(revision of ANSI X12.7-2010)

BSR X12.58-201x, Security Structures (revision of ANSI X12.58-2004  
(R2008))

BSR X12.71-201x, Context Inspired Component Architecture (CICA)  
Design Rules and Guidelines (revision of ANSI X12.71-2010)

## HI (Hydraulic Institute)

**Office:** 6 Campus Drive, 1st Fl North  
Parsippany, NJ 07054

**Contact:** Gregory Romanyszyn

**Phone:** (973) 267-9700

**Fax:** (973) 267-9055

**E-mail:** gromanyshyn@pumps.org

BSR/HI 9.6.7-201x, Rotodynamic (Centrifugal) Pumps for Design and  
Application (revision of ANSI/HI 9.6.7-2004)

BSR/HI 11.6-201x, Submersible Pump Tests (revision of ANSI/HI 11.6 -  
2002)

BSR/HI 12.1-12.6-201x, Rotodynamic (Centrifugal) Slurry Pumps for  
Nomenclature, Definitions, Applications, and Operation (revision of  
ANSI/HI 12.1-12.6-2005)



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

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

*Contact: Barbara Bennett*

**Phone:** (202) 626-5743

**Fax:** (202) 638-4922

**E-mail:** [bbennett@itic.org](mailto:bbennett@itic.org)

BSR INCITS 470-201x, Information technology - Framing and Signaling  
- 3 (FC-FS-3) (new standard)

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

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

*Contact: Chris Henderson*

**Phone:** (703) 841-3271

**E-mail:** [chris.henderson@nema.org](mailto:chris.henderson@nema.org)

BSR ICEA S-83-596-201x, ICEA Standard for Indoor Optical Fiber Cable  
(new standard)

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

**Office:** 15 Technology Parkway South  
Norcross, GA 30033

*Contact: Charles Bohanan*

**Phone:** (770) 209-7276

**Fax:** (770) 446-6947

**E-mail:** [standards@tappi.org](mailto:standards@tappi.org)

BSR/TAPPI T 537 om-xx, Dirt count in paper and paperboard (optical  
character recognition - OCR) (new standard)

# 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.

## **CSA (CSA America, Inc.)**

### ***New National Adoptions***

ANSI Z21.20a-2010, Particular Requirements for Automatic Gas Ignition Systems and Components (same as CSA C22.2 No. 199a) (identical national adoption and revision of ANSI Z21.20-2007/CSA C22.2 No. 199-2007/UL 372-2007): 8/27/2010

### ***Revisions***

ANSI Z21.18a-2010, Gas Appliance Pressure Regulators (same as CSA 6.3a) (revision of ANSI Z21.18-2007): 8/27/2010

ANSI Z21.23-2010, Gas Appliance Thermostats (revision of ANSI Z21.23-2000 (R2005), ANSI Z21.23a-2003 (R2005), and ANSI Z21.23b-2005): 8/27/2010

ANSI Z21.35a-2010, Pilot Gas Filters (same as CSA 6.8a-2010) (revision of ANSI Z21.35-2005): 8/27/2010

ANSI Z21.79b-2010, Gas Appliance Sediment Traps (same as CSA 6.21b) (revision of ANSI Z21.79-1997 (R2007), and ANSI Z21.79a-2005 (R2007)): 8/27/2010

ANSI Z21.80b-2010, Line Pressure Regulators (same as CSA 6.22b) (revision of ANSI Z21.80-2002 (R2008)): 8/27/2010

ANSI Z21.87a-2010, Automatic Gas Shutoff Devices for Hot Water Supply Systems (same as CSA 4.6a) (revision of ANSI Z21.87-2007): 8/27/2010

ANSI Z21.92b-2010, Manually Operated Electric Gas Ignition Systems and Components (same as CSA 6.29b-201x) (revision of ANSI Z21.92-2001 (R2007) and ANSI Z21.92a-2005 (R2007)): 8/27/2010

## **EMAP (Emergency Management Accreditation Program)**

### ***New Standards***

ANSI/EMAP EMS2010-2010, Emergency Management Standard (new standard): 8/27/2010

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

### ***Revisions***

ANSI/TIA 526-14-B-2010, Optical Power Loss Measurement of Installed Multimode Fiber Cable Plant (revision of ANSI/TIA/EIA 526-14A-1998): 8/27/2010

# 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.

## API (American Petroleum Institute)

**Office:** 1220 L Street, NW  
Washington, DC 20005-4070

**Contact:** *Tiffany Mensing*

**Fax:** (202) 962-4797

**E-mail:** [mensingt@api.org](mailto:mensingt@api.org)

BSR/API Standard 682-201x, Pumps - Shaft Sealing Systems for Centrifugal and Rotary Pumps (identical national adoption and revision of ANSI/API 682/ISO 21049-2004)

Stakeholders: Manufacturers, Consultants, Contractors, General Interest.

Project Need: To revise the current edition of ANSI/API 682, 3rd Edition, 2004.

Specifies requirements and gives recommendations for sealing systems for centrifugal and rotary pumps used in the petroleum, natural gas and chemical industries. This standard is applicable to hazardous, flammable and/or toxic services where a greater degree of reliability is required for the improvement of atmosphere and life-cycle sealing costs.

## ASA (ASC S2) (Acoustical Society of America)

**Office:** 35 Pinelawn Road  
Suite 114E  
Melville, NY 11747

**Contact:** *Susan Blaeser*

**Fax:** (631) 390-0217

**E-mail:** [sblaeser@aip.org](mailto:sblaeser@aip.org); [asastds@aip.org](mailto:asastds@aip.org)

BSR/ASA S2.72/Part 1 Amd. 1-2010 / ISO 2631-1 Amd. 1:2010, Evaluation of human exposure to whole-body vibration - Part 1: General requirements - Amendment 1 (identical national adoption of ISO 2631-1 Amd. 1:2010)

Stakeholders: Industrial and safety engineering, government regulators, medical.

Project Need: This is the national adoption of a recent amendment to an ISO standard that was nationally adopted several years ago.

This amendment to ISO 2631-1: 1997 provides numerous updates and corrections throughout the document.

BSR/ASA S2.72/Part 4 Amd. 1-2010 / ISO 2631-4 Amd. 1:2010, Evaluation of human exposure to whole-body vibration - Part 4: Guidelines for the evaluation of the effect of vibration and rotational motion on passenger and crew comfort in fixed-guideway transport systems - Amendment 1 (identical national adoption of ISO 2631-4 Amd:2010)

Stakeholders: Industrial and safety engineering, government regulators, medical, railroad.

Project Need: This is the national adoption of a recent amendment to an ISO standard that was nationally adopted several years ago.

Incorporates a new Annex B "Statistical analysis method". This annex cancels and replaces ISO 10056: 2001, Mechanical vibration - Measurement and analysis of whole-body vibration to which passengers and crew are exposed in railway vehicles.

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

**Office:** 2950 Niles Road  
St Joseph, MI 49085

**Contact:** *Carla VanGilder*

**Fax:** (269) 429-3852

**E-mail:** [vangilder@asabe.org](mailto:vangilder@asabe.org)

BSR/ASAE EP403.4 MONYEAR-201x, Design of Anaerobic Lagoons for Animal Waste Management (revision of ANSI/ASAE EP403.3-JUL99 (R2009))

Stakeholders: Livestock producers, Lagoon designers/contractors, Regulatory Agencies.

Project Need: To update the reference section and the poultry and swine values.

Describes the minimum criteria and operation of anaerobic animal waste lagoons located in predominantly rural or agricultural areas.

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

**Office:** 3 Park Avenue, 20th Floor (20N2)  
New York, NY 10016

**Contact:** *Mayra Santiago*

**Fax:** (212) 591-8501

**E-mail:** ansibox@asme.org

BSR/ASME B29.12M-201x, Steel Bushed Rollerless Chains, Attachments and Sprockets (revision of ANSI/ASME B29.12M-1997 (R2004))

Stakeholders: Manufacturers and users of steel bushed rollerless  
Project Need: The Standard is required by industry and in need of revision.

Covers steel bushed rollerless chains that are a series of block links having steel bushings to contact the sprocket teeth, alternating with links composed of sidebars and pins that articulate in the steel bushings of the block link. Pins and bushings are fixed against rotation in sidebar pitch holes by mechanical locks such as flats, interference fits or both. Assembly of pins may be from either side or alternated at the manufacturer's option. This Standard is not intended to be submitted for consideration as an ISO or ISO/IEC JTC-1 Standard.

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

**Office:** 1200 G Street, NW  
Suite 500  
Washington, DC 20005

**Contact:** *Kerriane Conn*

**Fax:** (202) 347-7125

**E-mail:** kconn@atis.org

ANSI ATIS 0100030-201x, Mean Time Between Outages - A Metric for Assessing Production Failure Rates in IP Routers (new standard)

Stakeholders: Communications Industry.

Project Need: To formalize the metric definition as an industry standard and provides an outline for metric assessment.

Formalizes the metric definition as an industry standard and provides an outline for metric assessment.

**AWS (American Welding Society)**

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

**Contact:** *Rosalinda O'Neill*

**Fax:** (305) 443-5951

**E-mail:** roneill@aws.org

BSR/AWS A2.4M/A2.4-200x, Standard Symbols for Welding, Brazing, and Nondestructive Examination (new standard)

Stakeholders: Designers, and fabrication and inspection personnel.

Project Need: To provide updates, including new illustrations, for the construction and interpretation of standard symbols for welding, brazing, and NDE. A new annex comparing AWS and ISO welding symbols will also be included.

Establishes a method for specifying certain welding, brazing, and nondestructive examination information by means of symbols. Detailed information and examples are provided for the construction and interpretation of these symbols. This system provides a means of specifying welding or brazing operations as well as nondestructive examination, including the examination method, frequency, and extent.

**DISA (ASC X12) (Data Interchange Standards Association)**

**Office:** 7600 Leesburg Pike, Suite 430  
Falls Church, VA 22043

**Contact:** *Yvonne Meding*

**Fax:** (703) 970-4488

**E-mail:** ymeding@disa.org

BSR X12.1-201x, Transaction Set Tables (revision of ANSI X12.1-2008)

Stakeholders: Those using X12 standards, vendors, and those having a general interest.

Project Need: To update the standard to reflect maintenance (additions, deletions, modifications).

A transaction set is the collection of data that is exchanged in order to convey meaning between the parties engaged in electronic data interchange. A transaction set is composed of a specific group of segments that represent a common business document (for example, a purchase order or an invoice).

BSR X12.3-201x, Data Element Dictionary (revision of ANSI X12.3-2008)

Stakeholders: Those using X12 standards, vendors, and those having a general interest.

Project Need: To update the standard to reflect maintenance (additions, deletions, modifications).

A data element can represent a qualifier, a value, or text (such as a description).

BSR X12.5-201x, Interchange Control Structures (revision of ANSI X12.5-2004 (R2008))

Stakeholders: Those using X12 Standards, vendors, and those having a general interest.

Project Need: To update the standard to reflect maintenance (additions, deletions, modifications).

Defines the control structures for the electronic interchange of one or more encoded business transactions. This standard provides the interchange envelope of a header and trailer for the electronic interchange through a data transmission, a structure to acknowledge the receipt and processing of this envelope, and optional, interchange-level service-request structures.

BSR X12.6-201x, Application Control Structure (revision of ANSI X12.6-2004 (R2008))

Stakeholders: Those using X12 standards, vendors, and those having a general interest.

Project Need: To update the standard to reflect maintenance (additions, deletions, modifications).

Defines the structure of business transactions for computer-to-computer interchange. This structure is expressed using a symbolic representation of X12 data independent of the physical representation (e.g., character set encoding).

BSR X12.7-201x, Context-Inspired Component Architecture (CICA) Technical Specification and XML Schema Syntax Representation (revision of ANSI X12.7-2010)

Stakeholders: Those using the standard, vendors, and those with general interest.

Project Need: To update the standard to reflect maintenance (additions, deletions, modifications).

The Context Inspired Component Architecture (CICA) offers a method for building electronic business messages. The method presented employs a hierarchy of components designed to capture semantic business concepts in a manner that facilitates re-use. A specific syntactic representation for XML (Extensible Markup Language as defined by the W3C) is presented. The method represents CICA messages and components in XML Schema as defined by the W3C XML Schema 1.0 (XSD).

**BSR X12.22-201x, Segment Directory (revision of ANSI X12.22-2008)**

Stakeholders: Those using X12 Standards, vendors, and those having a general interest.

Project Need: To update the standard to reflect maintenance (additions, deletions, modifications).

A segment is the intermediate unit of information in a transaction set. Segments consist of logically related data elements in a defined sequence.

**BSR X12.56-201x, Interconnect Mailbag Control Structures (revision of ANSI X12.56-2004 (R2008))**

Stakeholders: Those using X12 standards, vendors, and those having general interest.

Project Need: To update the standard to reflect maintenance (additions, deletions, modifications).

Defines the control segments used to start and end a mailbag containing EDI data to be exchanged between two interconnecting entities.

**BSR X12.58-201x, Security Structures (revision of ANSI X12.58-2004 (R2008))**

Stakeholders: Those using X12 standards, vendors, and those with general interest.

Project Need: To update the standard to reflect maintenance (additions, deletions, modifications).

Defines data formats for authentication, encryption, and assurances in order to provide integrity, confidentiality, and verification and non-repudiation of origin for two levels of exchange of EDI-formatted data defined by ASC X12.

**BSR X12.59-201x, Implementation of EDI Structures--Semantic Impact (revision of ANSI X12.59-2004 (R2008))**

Stakeholders: Those using X12 standards, vendors, and those having general interest.

Project Need: To update the standard to reflect maintenance (additions, deletions, modifications).

Describes the semantic relationships inherent in the implementation of X12 structures (meaning associated with data due to positioning within the exchange of X12 information, and the data relationships that can be inferred from the data structure).

**BSR X12.71-201x, Context Inspired Component Architecture (CICA) Design Rules and Guidelines (revision of ANSI X12.71-2010)**

Stakeholders: Those using X12 standards, vendors, and those with general interest.

Project Need: To update the standard to stay in synch with X12.7 maintenance (additions, deletions, modifications).

These design rules and guidelines are based upon X12.7 Context Inspired Component Architecture (CICA) Technical Specification and XML Syntax Representation. These design rules have been developed to assist in establishing uniformity in CICA business document development and maintenance efforts.

**EIA (Electronic Industries Alliance)**

**Office:** 2500 Wilson Boulevard  
Suite 310  
Arlington, VA 22201

**Contact:** Cecelia Yates

**Fax:** (703) 875-8908

**E-mail:** cyates@ecaus.org

**BSR/EIA 960-A-201x, Assembly Component TRay- ACT (new standard)**

Stakeholders: Electrical, electronics and telecommunications

Project Need: This standard has been in use for 5+ years. The new revision will include a smaller tray size usable on older equipment.

Defines basic dimensions for two tray sizes suitable for the automatic placement of connectors.

**HL7 (Health Level Seven)**

**Office:** 3300 Washtenaw Avenue  
Suite 227  
Ann Arbor, MI 48104

**Contact:** Karen Van Hentenryck

**Fax:** (734) 677-6622

**E-mail:** Karenvan@HL7.org

**BSR/CDA2 IGPROGNOTE, R1-201x, HL7 Implementation Guide for CDA Release 2: Progress Note, Release 1 - US Realm (new standard)**

Stakeholders: healthcare IT.

Project Need: This is a common type of clinical document and fills a gap in the set of HL7 CDA Implementation Guides.

Designs a Progress Note in XML as a constraint on HL7 v3 CDA r2. A Progress Note documents the patient's clinical status during a hospitalization or outpatient visit. The project will review current Progress Note usage and will examine industry precedents and requirements. This project will follow the guidance of SDWG, domain work groups and the current approach to CDA templates in CCD and the Health Story implementation guides.

**BSR/HL7 CMS V1.6-201x, HL7 Context Management Specification, Version 1.6 (revision of ANSI/HL7 CMS V1.5-2004 (R2009))**

Stakeholders: Healthcare IT.

Project Need: To extend the standard to include language on the use of SAML Assertions for authenticating users into the CCOW context and for the subsequent re-use of saved SAML Assertion by authorized context participants.

HL7 Context Management 'CCOW' Standard: Technology- and Subject-Independent Component Architecture - and - HL7 Context Management 'CCOW' Standard: Subject Data Definitions. Extension of the standard will include language on the use of SAML Assertions for authenticating users into the CCOW context and for the subsequent re-use of saved SAML Assertion by authorized context participants.

**BSR/HL7 V3 IGDSSINFOBUTTON, R1-201x, HL7 Version 3 Implementation Guide: Context-Aware Knowledge Retrieval (Infobutton) - Decision Support Service (DSS), Release 1 (new standard)**

Stakeholders: Clinical Information System developers, Clinical knowledge resource publishers, Clinical Decision Support developers, Health care organizations.

Project Need: To specify a service-oriented implementation approach for context-sensitive knowledge integration into clinical information systems leveraging the HL7/OMG Decision Support System (DSS)

Aims to provide guidance regarding the implementation of context-aware knowledge retrieval applications in a Service-Oriented Architecture based on the HL7/OMG Decision Support Services (DSS) Standard. The specification includes:

- (1) Functional requirements for context-aware knowledge retrieval in a SOA; and
- (2) Technical specification for the operations and semantic profiles (service payloads) to be supported by Context-aware Knowledge Retrieval DSS implementations.

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

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

**Contact:** *Barbara Bennett*

**Fax:** (202) 638-4922

**E-mail:** [bbennett@itic.org](mailto:bbennett@itic.org)

BSR INCITS/ISO/IEC 19785-4-201x, Information technology - Common Biometric Exchange Formats Framework - Part 4: Security block format specifications (identical national adoption of ISO/IEC 19785-4:2010)

Stakeholders: ICT Industry.

Project Need: To adopt this International Standard, which will be beneficial to the ICT industry.

Specifies security block formats (see ISO/IEC 19785-1) registered in accordance with ISO/IEC 19785-2 as formats defined by the CBEFF biometric organization ISO/IEC JTC 1/SC 37, and specifies their registered security block format identifiers. [The security block format identifier is recorded in the standard biometric header (SBH) of a patron format (or defined by that patron format as the only available security block format).]

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

**Office:** 15 Technology Parkway South  
Norcross, GA 30033

**Contact:** *Charles Bohanan*

**Fax:** (770) 446-6947

**E-mail:** [standards@tappi.org](mailto:standards@tappi.org)

BSR/TAPPI T 537 om-xx, Dirt count in paper and paperboard (optical character recognition - OCR) (new standard)

Stakeholders: Manufacturers of pulp, paper, packaging, or related products, consumers or converters of such products, and suppliers of equipment, supplies, or raw materials for the manufacture of such products.

Project Need: To conduct the required five-year review of an existing TAPPI standard in order to revise it, if needed to address new technology or correct errors.

This method is suited for the numerical estimation of cleanliness for optical character recognition (OCR) purposes of paper and paperboard in terms of the frequency of dirt, specks, or marks. This method may be used in applications where the number of specks per unit area rather than the equivalent black area is required. In this method, each dirt speck is counted individually regardless of size, shape, or color.

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

**Office:** 1285 Walt Whitman Road  
Melville, NY 11747-3081

**Contact:** *Edward Minasian*

**Fax:** (631) 439-6757

**E-mail:** [Edward.D.Minasian@us.ul.com](mailto:Edward.D.Minasian@us.ul.com)

BSR/UL 943B-201x, Standard for Safety for Appliance Leakage-Current Interrupters (new standard)

Stakeholders: Authorities Having Jurisdiction, Producers, Supply Chain, Testing and Standards.

Project Need: To receive ANSI approval of requirements covered by this standard.

Covers appliance leakage-current interrupters (ALCIs), intended for use only in 2- or 3- wire alternating-current circuits wherein one of the wires is grounded in accordance with the National Electrical Code, ANSI/NFPA 70. They are intended to interrupt the electric circuit to the load when a fault current to ground exceeds some predetermined value that is less than that required to operate the overcurrent protective device of the supply circuit. An ALCI trips when the current to ground reaches a value in the range of 4 - 6 mA.

# 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)
- 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.

# ISO and IEC Draft International Standards



This section lists proposed standards that the International Organization for Standardization (ISO) and the International Electrotechnical Commission (IEC) are 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 and IEC 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 Rachel Howenstine at ANSI's New York offices ([isot@ansi.org](mailto:isot@ansi.org)), those regarding IEC documents to Charles T. Zegers, also at ANSI New York offices. 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 or IEC 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. IEC Drafts are available from IEC directly via their online store at <http://www.iec.ch>.**

## ISO Standards

### AIR QUALITY (TC 146)

ISO/DIS 16000-26, Indoor air - Part 26: Sampling strategy for carbon dioxide (CO<sub>2</sub>) - 11/27/2010, \$67.00

### DENTISTRY (TC 106)

ISO/DIS 6876, Dentistry - Root canal sealing materials - 11/27/2010, \$53.00

### OTHER

ISO/DIS 2419, Leather - Physical and mechanical tests - Sample preparation and conditioning - 11/27/2010, \$33.00

ISO/DIS 17076-1, Leather - Determination of abrasion resistance - Part 1: Taber method - 11/27/2010, \$40.00

ISO/DIS 26082-1, Leather - Physical and mechanical test method for the determination of soiling - Part 1: Rubbing (Martindale) method - 11/27/2010, \$46.00

### REFRACTORIES (TC 33)

ISO/DIS 14719, Chemical analysis of refractory material glass and glazes - Determination of Fe<sup>2+</sup> and Fe<sup>3+</sup> by the spectral photometric method with 1-10 phenantroline - 11/27/2010, \$58.00

### RUBBER AND RUBBER PRODUCTS (TC 45)

ISO/DIS 8332, Rubber compounding ingredients - Sulfur - Methods of test - 11/28/2010, \$88.00

## IEC Standards

27/770/FDIS, IEC 60519-1 Ed. 4: Safety in electroheating installations - Part 1: General requirements, 10/29/2010

57/1087/FDIS, IEC 61850-7-3 Ed.2: Communication networks and systems for power utility automation - Part 7-3: Basic communication structure - Common data classes, 10/29/2010

80/605/FDIS, IEC 62287-1 Ed.2: Maritime navigation and radiocommunication equipment and systems - Class B shipborne equipment of the automatic identification system (AIS) - Part 1: Carrier-sense time division multiple access (CSTDMA) techniques, 10/29/2010

86C/970/FDIS, IEC 62148-3 Ed. 2.0: Fibre optic active components and devices - Package and interface standards - Part 3: SFF 20-pin transceivers, 10/29/2010

17D/422/FDIS, IEC 61439-5 Ed.1: Low-voltage switchgear and controlgear assemblies - Part 5: Assemblies for power distribution in public networks, 10/22/2010

26/429/FDIS, IEC 60974-6 Ed. 2: Arc welding equipment - Part 6: Limited duty equipment, 10/22/2010

33/472/FDIS, IEC 60143-4 Ed. 1.0: Series capacitors for power systems - Part 4: Thyristor controlled series capacitors, 10/22/2010

62D/857/FDIS, IEC 60601-2-4 Ed. 3: Medical electrical equipment - Part 2-4: Particular requirements for basic safety and essential performance of cardiac defibrillators, 10/22/2010

65B/765/FDIS, IEC 60534-8-3: Industrial-process control valves - Part 8-3: Noise considerations - Control valve aerodynamic noise prediction method, 10/22/2010

86B/3088/FDIS, IEC 61300-2-23 Ed. 2.0: Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 2-23: Tests - Sealing for non-pressurized closures of fibre optic devices, 10/22/2010

88/377A/FDIS, IEC 61400-25-6 Ed.1: Wind Turbines - Part 25-6: Communications for monitoring and control of wind power plants - Logical node classes and data classes for condition monitoring (CENELEC parallel vote), 10/15/2010

100/1746/FDIS, IEC 60728-3: Cable networks for television signals, sound signals and interactive services - Part 3: Active wideband equipment for cable networks (TA5), 10/22/2010

47/2067/FDIS, IEC 60749-15 Ed.2: Semiconductor Devices - Mechanical and Climatic Test Methods - Part 15: Resistance to soldering temperature for through-hole mounted devices, 10/15/2010

47/2068/FDIS, IEC 60749-34 Ed.2: Semiconductor Devices - Mechanical and Climatic Test Methods - Part 34: Power cycling, 10/15/2010

62C/499/FDIS, IEC 60601-2-8 Ed.2: Medical electrical equipment - Part 2-8: Particular requirements for basic safety and essential performance of therapeutic X-ray equipment operating in the range 10 kV to 1 MV, 10/15/2010

88/377/FDIS, IEC 61400-25-6 Ed.1: Wind Turbines - Part 25-6: Communications for monitoring and control of wind power plants - Logical node classes and data classes for condition monitoring, 10/15/2010





# Newly Published ISO and IEC Standards

Listed here are new and revised standards recently approved and promulgated by ISO - the International Organization for Standardization – and IEC – the International Electrotechnical Commission. 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>).

## ISO Standards

### AGRICULTURAL FOOD PRODUCTS (TC 34)

ISO 13720:2010, Meat and meat products - Enumeration of presumptive *Pseudomonas* spp., \$57.00

### AIRCRAFT AND SPACE VEHICLES (TC 20)

ISO 12273:2010, Aerospace - Nuts, anchor, self-locking, floating, self-aligning, two lug, with MJ threads, classifications: 900 MPa (at ambient temperature)/235 degrees C, 900 MPa (at ambient temperature)/315 degrees C and 900 MPa (at ambient temperature)/425 degrees C - Dimensions, \$43.00

### FLOOR COVERINGS (TC 219)

ISO 26986:2010, Resilient floor coverings - Expanded (cushioned) poly(vinyl chloride) floor covering - Specification, \$57.00

### GAS CYLINDERS (TC 58)

ISO 10156/Cor1:2010, Gases and gas mixtures - Determination of fire potential and oxidizing ability for the selection of cylinder valve outlets - Corrigendum, FREE

### ROAD VEHICLES (TC 22)

ISO 26022:2010, Road vehicles - Ergonomic aspects of transport information and control systems - Simulated lane change test to assess in-vehicle secondary task demand, \$141.00

### RUBBER AND RUBBER PRODUCTS (TC 45)

ISO 28343:2010, Rubber compounding ingredients - Process oils - Determination of glass transition temperature by DSC, \$57.00

### SHIPS AND MARINE TECHNOLOGY (TC 8)

ISO/PAS 30005:2010, Ships and marine technology - Ship recycling management systems - Information control for hazardous materials in the manufacturing chain of shipbuilding and ship operations, \$110.00

## ISO/IEC JTC 1, Information Technology

ISO/IEC 25045:2010, Systems and software engineering - Systems and software Quality Requirements and Evaluation (SQuARE) - Evaluation module for recoverability, \$135.00

ISO/IEC 29159-1:2010, Information technology - Biometric calibration, augmentation and fusion data - Part 1: Fusion information format, \$104.00

## IEC Standards

### AUDIO, VIDEO AND MULTIMEDIA SYSTEMS AND EQUIPMENT (TC 100)

IEC 60728-13 Ed. 1.0 en Cor.1:2010, Corrigendum 1 - Cable networks for television signals, sound signals and interactive services - Part 13: Optical systems for broadcast signal transmissions, Free

### CAPACITORS AND RESISTORS FOR ELECTRONIC EQUIPMENT (TC 40)

IEC 60384-26 Ed. 1.0 b:2010, Fixed capacitors for use in electronic equipment - Part 26: Sectional specification - Fixed aluminium electrolytic capacitors with conductive polymer solid electrolyte, \$143.00

IEC 60384-26-1 Ed. 1.0 b:2010, Fixed capacitors for use in electronic equipment - Part 26-1: Blank detail specification - Fixed aluminium electrolytic capacitors with conductive polymer solid electrolyte - Assessment level EZ, \$87.00

### DOCUMENTATION AND GRAPHICAL SYMBOLS (TC 3)

IEC 61666 Ed. 2.0 b:2010, Industrial systems, installations and equipment and industrial products - Identification of terminals within a system, \$77.00

### ELECTRIC TRACTION EQUIPMENT (TC 9)

IEC 62498-1 Ed. 1.0 b:2010, Railway applications - Environmental conditions for equipment - Part 1: Equipment on board rolling stock, \$97.00

IEC 62498-2 Ed. 1.0 b:2010, Railway applications - Environmental conditions for equipment - Part 2: Fixed electrical installations, \$87.00

IEC 62498-3 Ed. 1.0 b:2010, Railway applications - Environmental conditions for equipment - Part 3: Equipment for signalling and telecommunications, \$128.00

### ELECTRIC WELDING (TC 26)

IEC 60974-4 Ed. 2.0 b:2010, Arc welding equipment - Part 4: Periodic inspection and testing, \$77.00

### ELECTRICAL ACCESSORIES (TC 23)

IEC 62444 Ed. 1.0 b:2010, Cable glands for electrical installations, \$128.00

**ELECTRICAL INSTALLATIONS OF SHIPS AND OF MOBILE AND FIXED OFFSHORE UNITS (TC 18)**

IEC 61892-1 Ed. 2.0 en:2010, Mobile and fixed offshore units - Electrical installations - Part 1: General requirements and conditions, \$107.00

IEC 61892-5 Ed. 2.0 en:2010, Mobile and fixed offshore units - Electrical installations - Part 5: Mobile units, \$158.00

**ELECTROMAGNETIC COMPATIBILITY (TC 77)**

IEC 61000-4-15 Ed. 2.0 b:2010, Electromagnetic compatibility (EMC) - Part 4-15: Testing and measurement techniques - Flickermeter - Functional and design specifications, \$179.00

**FUSES (TC 32)**

IEC 60127-2 Ed. 2.2 b:2010, Miniature fuses - Part 2: Cartridge fuse-links, \$163.00

**INDUSTRIAL-PROCESS MEASUREMENT AND CONTROL (TC 65)**

IEC/TR 61158-1 Ed. 3.0 en:2010, Industrial communication networks - Fieldbus specifications - Part 1: Overview and guidance for the IEC 61158 and IEC 61784 series, \$235.00

IEC 60546-1 Ed. 3.0 b:2010, Controllers with analogue signals for use in industrial-process control systems - Part 1: Methods of evaluating the performance, \$158.00

**INSULATION CO-ORDINATION FOR LOW-VOLTAGE EQUIPMENT (TC 109)**

IEC 60664-3 Ed. 2.1 b:2010, Insulation coordination for equipment within low-voltage systems - Part 3: Use of coating, potting or moulding for protection against pollution, \$133.00

**INSULATORS (TC 36)**

IEC/TR 62662 Ed. 1.0 en:2010, Guidance for production, testing and diagnostics of polymer insulators with respect to brittle fracture of core materials, \$87.00

**OTHER**

IEC GUIDE 104 Ed. 4.0 en:2010, The preparation of safety publications and the use of basic safety publications and group safety publications, \$97.00

IEC GUIDE 116 Ed. 1.0 en:2010, Guidelines for safety related risk assessment and risk reduction for low voltage equipment, \$158.00

IECEX 02 Ed. 4.0 en:2010, IEC System for Certification to Standards relating to Equipment for use in Explosive Atmospheres (IECEX System) - IECEX Certified Equipment Scheme covering equipment for use in explosive atmospheres - Rules of Procedure, \$0.00

IECEX 03 Ed. 2.0 en:2010, IEC System for Certification to Standards relating to Equipment for use in Explosive Atmospheres (IECEX System) - IECEX Certified Service Facilities Scheme covering repair and overhaul of Ex equipment - Rules of Procedure, \$0.00

CISPR 16-2-3 Ed. 3.1 b:2010, Specification for radio disturbance and immunity measuring apparatus and methods - Part 2-3: Methods of measurement of disturbances and immunity - Radiated disturbance measurements, \$306.00

CISPR 24 Ed. 2.0 b:2010, Information technology equipment - Immunity characteristics - Limits and methods of measurement, \$179.00

**POWER SYSTEM CONTROL AND ASSOCIATED COMMUNICATIONS (TC 57)**

IEC 61850-7-2 Ed. 2.0 en:2010, Communication networks and systems for power utility automation - Part 7-2: Basic information and communication structure - Abstract communication service interface (ACSI), \$291.00

**SAFETY OF HAND-HELD MOTOR-OPERATED ELECTRIC TOOLS (TC 116)**

IEC 60745-2-19 Ed. 1.1 b:2010, Hand-held motor-operated electric tools - Safety - Part 2-19: Particular requirements for jointers, \$66.00

**SECONDARY CELLS AND BATTERIES (TC 21)**

IEC 62485-3 Ed. 1.0 b:2010, Safety requirements for secondary batteries and battery installations - Part 3: Traction batteries, \$107.00

**SEMICONDUCTOR DEVICES (TC 47)**

IEC 60191-6-20 Ed. 1.0 b:2010, Mechanical standardization of semiconductor devices - Part 6-20: General rules for the preparation of outline drawings of surface mounted semiconductor device packages - Measuring methods for package dimensions of small outline J-lead packages (SOJ), \$56.00

IEC 60191-6-21 Ed. 1.0 b:2010, Mechanical standardization of semiconductor devices - Part 6-21: General rules for the preparation of outline drawings of surface mounted semiconductor device packages - Measuring methods for package dimensions of small outline packages (SOP), \$66.00

IEC 60747-1 Ed. 2.1 b:2010, Semiconductor devices - Part 1: General, \$204.00

IEC 61967-6 Ed. 1.0 b Cor.1:2010, Corrigendum 1 - Integrated circuits - Measurement of electromagnetic emissions, 150 kHz to 1 GHz - Part 6: Measurement of conducted emissions - Magnetic probe method, \$0.00

**SMALL POWER TRANSFORMERS AND REACTORS AND SPECIAL TRANSFORMERS AND REACTORS (TC 96)**

IEC 62041 Ed. 2.0 b:2010, Safety of transformers, reactors, power supply units and combinations thereof - EMC requirements, \$97.00

**TERMINAL MARKINGS AND OTHER IDENTIFICATIONS (TC 16)**

IEC 60445 Ed. 5.0 b:2010, Basic and safety principles for man-machine interface, marking and identification - Identification of equipment terminals, conductor terminations and conductors, \$117.00

# 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

---

## 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 to create and maintain 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 30+ 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 all membership categories:

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

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).

### Call 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 ANSI 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 email from [standards@scte.org](mailto:standards@scte.org).

## ANSI-ASQ National Accreditation Board (ANAB)

### ISO 9001 Quality Management Systems

#### Notices of Accreditation

#### Certification Bodies

##### Atlantic Registrar

The ANSI-ASQ National Accreditation Board is pleased to announce that the following certification body has earned ANAB accreditation for ISO 9001 Quality Management Systems:

##### **Atlantic Registrar**

511 West Bay Street, Suite 350

Tampa, FL 33606

Contact: Jeff Stob

PHONE: 317-223-6984

E-mail: [jeff.stob@atlanticregistrar.com](mailto:jeff.stob@atlanticregistrar.com)

##### Korea Management Association Registration & Assessments, Inc.

The ANSI-ASQ National Accreditation Board is pleased to announce that the following certification body has earned ANAB accreditation for ISO 9001 Quality Management Systems:

##### **Korea Management Association Registration & Assessments, Inc.**

1-1204, ACE Hightech City, 55-20, Mullaee-dong 3-ga,

Yeongdeungpo-gu

Seoul, 150-972

Republic of Korea

Contact: Jin-Shik Ha

PHONE: 82-2-6309-9032

E-mail: [habest@kmar.co.kr](mailto:habest@kmar.co.kr)

### ISO 14001 Environmental Management Systems

#### Notice of Accreditation

#### Certification Body

##### Korea Management Association Registration & Assessments, Inc.

The ANSI-ASQ National Accreditation Board is pleased to announce that the following certification body has earned ANAB accreditation for ISO 14001 Environmental Management Systems:

##### **Korea Management Association Registration & Assessments, Inc.**

1-1204, ACE Hightech City, 55-20, Mullaee-dong 3-ga,

Yeongdeungpo-gu

Seoul, 150-972

Republic of Korea

Contact: Jin-Shik Ha

PHONE: 82-2-6309-9032

E-mail: [habest@kmar.co.kr](mailto:habest@kmar.co.kr)

# International Organization for Standardization (ISO)

## Calls for US TAG Administrators

### ISO/PC 251 – Asset Management

The ISO Technical Management board has created a new ISO Project Committee on Asset Management (ISO/PC 251). The secretariat has been assigned to BSI (United Kingdom). The new project committee has the following scope:

Standardization in the field of asset management

Organizations interested in serving as the US/TAG administrator or participating on the US/TAG should contact Joyce Hsu, ANSI, at [jhsu@ansi.org](mailto:jhsu@ansi.org).

### ISO/PC 253 – Treated wastewater re-use for irrigation

The ISO Technical Management board has created a new ISO Project Committee on Treated wastewater re-use for irrigation (ISO/PC 253). The secretariat has been assigned to SII (Israel). The new project committee has the following scope:

Standardization in the field of treated wastewater re-use for irrigation

Organizations interested in serving as the US/TAG administrator or participating on the US/TAG should contact Joyce Hsu, ANSI, at [jhsu@ansi.org](mailto:jhsu@ansi.org).

## Change in Secretariat

### ISO/TC 214 – Elevating work platforms

#### Comment Deadline: September 17, 2010

The Association of Equipment Manufacturers (AEM) has requested ANSI to delegate the responsibilities of the administration of the TC 214 secretariat to AEM. The scope of TC 214 is as follows:

Standardization of terminology, ratings, general principles (technical performance requirements and risk assessment), safety requirements, test methods, maintenance and operation for elevating work platforms used to raise (elevate) and position personnel (and related work tools and materials) to a work position where a work task is to be performed.

Organizations wishing to comment on the delegation of the responsibilities should contact ANSI's ISO Team at [isot@ansi.org](mailto:isot@ansi.org) by September 17, 2010.

## Withdrawal of Secretariat

### ISO/TC 44/SC 5 - Testing and inspection of welds

#### Comment Deadline: September 17, 2010

ANSI has been informed by the American Welding Society (AWS), the ANSI-delegated Secretariat of ISO/TC 44/SC 5, that they wish to relinquish role of delegated secretariat. The scope of TC 44, which TC 44/SC 5 falls under, is as follows:

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

Excluded:

- electrical safety matters related to welding which are the responsibility of IEC/TC 26.

Organizations interested in having the responsibilities of the administration of the TC 44/SC 5 delegated to them, should contact ANSI's ISO Team at [isot@ansi.org](mailto:isot@ansi.org) by September 17, 2010.

## Meeting Notice

### ANSI-Accredited U.S. TAG to ISO/TC 229 – Nanotechnologies

The ANSI-Accredited U.S. TAG to ISO/TC 229, *Nanotechnologies*, will meet on October 12-13, 2010, at the Offices of Keller and Heckman in Washington, DC. For additional information or to join the U.S. TAG, please contact Heather Benko ([hbenko@ansi.org](mailto:hbenko@ansi.org)) at ANSI.

## **MEETING ANNOUNCEMENT:**

### **CONJUNCTION ASSESSMENT MESSAGE: U.S. SPECIAL INTEREST GROUP**

**WEDNESDAY, 08 SEPTEMBER 2010**

In response to international pressure to exchange space situational awareness data in order to prevent future satellite collisions, a "U.S. Conjunction Assessment Message Special Interest Group" (US-CAMSIG) is being established within the framework of the U.S. Technical Advisory Group to ISO Technical Committee 20, Subcommittee 13 (ISO/TC20/SC13, Space Data and Information Transfer Systems). The Terms Of Reference for the group are attached.

This group will explore the development of a U.S. technical consensus concerning the need for an international standard that enables the exchange of the necessary data required for conjunction assessment. The desired outcome is sufficient national consensus to request the formation of a multinational study group within the Consultative Committee for Space Data Systems (CCSDS), which could lead to the development of an international CCSDS Recommended Standard and its subsequent advancement to ISO.

Participation in the US-CAMSIG is open to qualified representatives of U.S. government, industry and academia who have a bona-fide interest in the subject matter. It is planned that the US-CAMSIG will meet on 08 September, 2010 via a web-based teleconference to discuss the formulation of a U.S. technical position. Interested parties who wish to participate in the virtual meeting are invited to submit their names, affiliation, professional interest and contact information to the following meeting convener:

Maj Duane Bird  
USSTRATCOM  
(402) 232-1524  
[duane.bird@stratcom.mil](mailto:duane.bird@stratcom.mil)

Precise meeting details will be announced later. Further information may be obtained by contacting the Chairman of the US Technical Advisory Group to ISO/TC20/SC13:

Mr. Adrian J. Hooke  
NASA Headquarters  
(202) 358-0097  
[adrian.j.hooke@nasa.gov](mailto:adrian.j.hooke@nasa.gov)

---

TERMS OF REFERENCE: US CONJUNCTION ASSESSMENT MESSAGE SPECIAL INTEREST GROUP



**30 July 2010**

**ISO/TC 20/USTAG13**

## **US TECHNICAL ADVISORY GROUP TO ISO/TC20/SC13 (USTAG13)**

### **TERMS OF REFERENCE:**

**CONJUNCTION ASSESSMENT MESSAGE:  
US SPECIAL INTEREST GROUP**

ISSUE 1.1

***Considering that***

1. In the wake of the collision in February 2009 between Iridium 33 and Cosmos 2251, both the US government and satellite industry have invested significant resources into addressing the shortfalls in space situational awareness.
2. There is a strong international desire to exchange space situational awareness data in order to prevent future satellite collisions and many governmental and commercial entities (e.g. in Japan, Australia, Canada, France, the United Kingdom, etc.) are either very interested or are already involved in conjunction assessment and collision risk mitigation.

***And recognizing that***

1. If an upcoming high risk conjunction event is predicted then independent tracking data of the objects must be acquired and shared in order to improve the knowledge of their orbits.
2. The need for the satellite owners/operators involved in a predicted conjunction event to achieve some level of agreement between their independently determined orbits, or to understand why they differ, has made it imperative to exchange recognized standard coordinate systems, force models, data formats, etc. in order to ensure interoperable and actionable information is used for conjunction assessment (CA) and subsequent maneuver planning.
3. It is imperative to get international agreement on the types of data needed for CA and to assess potential collision avoidance maneuvers.
4. A vital step in securing such an international agreement is to assemble a technical consensus across the US national community.

***A US Conjunction Assessment Message Special Interest Group (US-CAMSIG) is established within the framework of the US Technical Advisory Group to ISO/TC20/SC13 to***

1. Develop a consensus US technical position concerning the need for a Conjunction Assessment Message (CAM) that enables the exchange of necessary data to provide actionable conjunction assessment and subsequent maneuver planning.
  2. Build that consensus by consulting and involving leading technical experts from the US satellite community, including the DoD, NASA and commercial providers.
  3. Meet as necessary (face-face and/or virtually) to develop the agreed US technical position relative to the requirements for a CAM. The group will focus on defining the problem and the desired characteristics of the solution, rather than advancing any particular concrete implementation.
  4. Identify preferred open standards (where they already exist) and identify needed open standards (where gaps are identified).
  5. Advance the consensus US proposal to the Consultative Committee for Space Data Systems (CCSDS) in the form of a request for international participation on a CCSDS Birds Of a Feather group (BOF), with a view towards chartering a CCSDS Working Group to create the necessary international standard(s) that would then be advanced to ISO.
-



Table 1 Material Specifications List

GROUP 2 MATERIALS												
A 351 Gr. CF3	2.1	18Cr-8Ni	A 182 A 182	F304 F304H	A 351 A 351	CF8 CF10	A 240 A 240	304 304H	A 182 A 182 A 479 A 479	F304 F304H 304 304H	A 312 A 312 A 358 A 376 A 376 A 430 A 430	TP304 TP304H 304 TP304 TP304H FP304 FP304H
	2.2	16Cr-12Ni-2Mo	A 182 A 182	F316 F316H	A 351 A 351	CF8M CF10M	A 240 A 240	316 316H	A 182 A 182 A 479 A 479	F316 F316H 316 316H	A 312 A 312 A 358 A 376 A 376 A 430 A 430	TP316 TP316H 316 TP316 TP316H FP316 FP316H
A 351		18Cr-8Ni 18Cr-13Ni-3Mo 19Cr-10Ni-3Mo	A 182 A 182	F317 F317H	A 351 A 351 A 351	CF3A CF8A CG8M CG3M	A 240 A 240	317 317H			A 312 A 312	TP317 TP317H
	2.3	18Cr-8Ni	A 182	F304L	A 351	CF3	A 240	304L	A 182 A 479	F304L 304L	A 312	TP304L
		16Cr-12Ni-2Mo	A 182	F316L	A 351	CF3M	A 240	316L	A 182 A 479	F316L 316L	A 312	TP316L
		18Cr-13Ni-3Mo	A 182	F317L					A 182	F317L		

Material Group No.	Nominal Designation	Forgings		Castings		Plates		Bars		Tubular	
		Spec. No.	Grade	Spec. No.	Grade	Spec. No.	Grade	Spec. No.	Grade	Spec. No.	Grade
2.5	18Cr-10Ni-Cb	A 182 A 182 A 182 A 182	F347 F347H F348 F348H	A 351	CF8C	A 240 A 240 A 240 A 240	347 347H 348 348H	A 182 A 182 A 182 A 182 A 479 A 479 A 479 A 479	F347 F347H F348 F348H 347 347H 348 348H	A 312 A 312 A 312 A 312 A 358 A 376 A 376 A 376 A 376 A 430 A 430	TP347 TP347H TP348 TP348H TP347 TP347H TP348 TP348H FP347 FP347H

Table 2-2.1 Ratings for Group 2.1 Materials

A 182 Gr. F304 (1)	A 312 Gr. TP304 (1)	A 358 Gr. 304 (1)	A 430 Gr. FP304H
A 182 Gr. F304H	A 312 Gr. TP304H	A 376 Gr. TP304 (1)	A 479 Gr. 304 (1)
A 240 Gr. 304 (1)	A 351 Gr. CF10	A 376 Gr. TP304H	A 479 Gr. 304H
A 240 Gr. 304H	A 351 Gr. CF8 (1)	A 430 Gr. FP304 (1)	

NOTE:

(1) At temperatures above 538°C, use only when the carbon content is 0.04% or higher.

(2) Not to be used over 425°C A – Standard Class

Table 2-2.1 Ratings for Group 2.1 Materials (Cont'd)

A 182 Gr. F304 (1)	A 312 Gr. TP304 (1)	A 358 Gr. 304 (1)	A 430 Gr. FP304H
A 182 Gr. F304H	A 312 Gr. TP304H	A 376 Gr. TP304 (1)	A 479 Gr. 304 (1)
A 240 Gr. 304 (1)	A 351 Gr. CF10	A 376 Gr. TP304H	A 479 Gr. 304H
A 240 Gr. 304H	A 351 Gr. CF8 (1)	A 430 Gr. FP304 (1)	

NOTE:

(1) At temperatures above 538°C, use only when the carbon content is 0.04% or higher.

(2) Not to be used over 425°C B – Special Class

Table 2-2.2 Ratings for Group 2.2 Materials

A 182 Gr. F316 (1)	A 312 Gr. TP316 (1)	A 351 Gr. CF8A (2)	A 430 Gr. FP316 (1)
A 182 Gr. F316H	A 312 Gr. TP316H	A 351 Gr. CF8M (1)	A 430 Gr. FP316H
A 182 Gr. F317 (1)	A 312 Gr. TP317 (1)	A 358 Gr. 316 (1)	A 479 Gr. 316 (1)
A 240 Gr. 316 (1)	A 351 Gr. CF3A (2)	A 376 Gr. TP316 (1)	A 479 Gr. 316H
A 240 Gr. 316H	A 351 Gr. CF10M	A 376 Gr. TP316H	A 351 Gr. CG8M (4)
A 240 Gr. 317 (1)	A 351 Gr. CG3M (3)		

NOTES:

A 351 Gr. CF3M (3)

A 182 Gr. F316 (1)	A 312 Gr. TP316 (1)	A 351 Gr. CF8A (2)	A 430 Gr. FP316 (1)
A 182 Gr. F316H	A 312 Gr. TP316H	A 351 Gr. CF8M (1)	A 430 Gr. FP316H
A 182 Gr. F317 (1)	A 312 Gr. TP317 (1)	A 358 Gr. 316 (1)	A 479 Gr. 316 (1)
A 240 Gr. 316 (1)	A 351 Gr. CF3A (2)	A 376 Gr. TP316 (1)	A 479 Gr. 316H
A 240 Gr. 316H	A 351 Gr. CF10M	A 376 Gr. TP316H	A 351 Gr. CG8M (4)
A 240 Gr. 317 (1)	A 351 Gr. CG3M (3)		

NOTES:

- (1) At temperatures above 538°C, use only when the carbon content is 0.04% or higher.
- (2) Not to be used over 345°C.
- (3) Not to be used over 538°C.
- (4) Not to be used over 455°C.

A 351 Gr. CF3M (3)

(4)

Table 2-2.3 Ratings for Group 2.3 Material

A 182 Gr. F304L (1)	A 240 Gr. 304L (1)	A 312 Gr. TP316L	A 479 Gr. 304L (1)
A 182 Gr. F316L	A 240 Gr. 316L	A 351 Gr. CF3 (1)	A 479 Gr. 316L
A 182 Gr. F317L	A 312 Gr. TP304L (1)	A 351 Gr. CF3M (1)	

NOTE:

Table 2-2.5 Ratings for Group 2.5 Materials

A 182 Gr. F347 (1)	A 240 Gr. 348 (1)	A 351 Gr. CF8C (3)	A 430 Gr. FP347 (1)
A 182 Gr. F347H (2)	A 240 Gr. 348H (2)	A 358 Gr. 347 (1)	A 430 Gr. FP347H
A 182 Gr. F348 (1)	A 312 Gr. TP347 (1)	A 376 Gr. TP347 (1)	A 479 Gr. 347 (1)
A 182 Gr. F348H (2)	A 312 Gr. TP347H	A 376 Gr. TP347H	A 479 Gr. 347H
A 240 Gr. 347 (1)	A 312 Gr. TP348 (1)	A 376 Gr. TP348 (1)	A 479 Gr. 348 (1)
A 240 Gr. 347H (2)	A 312 Gr. TP348H	A 376 Gr. TP348H (1)	A 479 Gr. 348H

Table 2-2.5 Ratings for Group 2.5 Materials (Cont'd)

A 182 Gr. F347 (1)	A 240 Gr. 348 (1)	A 351 Gr. CF8C (3)	A 430 Gr. FP347 (1)
A 182 Gr. F347H (2)	A 240 Gr. 348H (2)	A 358 Gr. 347 (1)	A 430 Gr. FP347H
A 182 Gr. F348 (1)	A 312 Gr. TP347 (1)	A 376 Gr. TP347 (1)	A 479 Gr. 347 (1)
A 182 Gr. F348H (2)	A 312 Gr. TP347H	A 376 Gr. TP347H	A 479 Gr. 347H
A 240 Gr. 347 (1)	A 312 Gr. TP348 (1)	A 376 Gr. TP348 (1)	A 479 Gr. 348 (1)
A 240 Gr. 347H (2)	A 312 Gr. TP348H	A 376 Gr. TP348H (1)	A 479 Gr. 348H

Table VII-2.1 Ratings for Group 2.1 Materials

A 182 Gr. F304 (1)	A 312 Gr. TP304 (1)	A 358 Gr. 304 (1)	A 430 Gr. FP304H
A 182 Gr. F304H	A 312 Gr. TP304H	A 376 Gr. TP304 (1)	A 479 Gr. 304 (1)
A 240 Gr. 304 (1)	A 351 Gr. CF10	A 376 Gr. TP304H	A 479 Gr. 304H
A 240 Gr. 304H	A 351 Gr. CF8 (1)	A 430 Gr. FP304 (1)	

NOTE:

- (1) At temperatures over 1,000°F, use only when the carbon content is 0.04% or higher.

(2) Not to be used over 800°F **A – Standard Class**

Table VII-2.1 Ratings For Group 2.1 Materials (Cont'd)

A 182 Gr. F304 (1)	A 312 Gr. TP304 (1)	A 358 Gr. 304 (1)	A 430 Gr. FP304H
A 182 Gr. F304H	A 312 Gr. TP304H	A 376 Gr. TP304 (1)	A 479 Gr. 304 (1)
A 240 Gr. 304 (1)	A 351 Gr. CF10	A 376 Gr. TP304H	A 479 Gr. 304H
A 240 Gr. 304H	A 351 Gr. CF8 (1)	A 430 Gr. FP304 (1)	

NOTE:

- (1) At temperatures over 1,000°F, use only when the carbon content is 0.04% or higher.

(2) Not to be used over 800°F **B – Special Class**

Table VII-2.2 Ratings for Group 2.2 Materials

A 182 Gr. F316 (1)	A 240 Gr. 317H	A 351 Gr. CF8M (1)	A 376 Gr. TP316 (1)
A 182 Gr. F316H	A 312 Gr. TP316 (1)	A 351 Gr. CF8A (2)	A 376 Gr. TP316H
A 182 Gr. F317 (1)	A 312 Gr. TP316H	A 351 Gr. CF10M	A 430 Gr. FP316 (1)
A 182 Gr. F317H	A 312 Gr. TP317 (1)	A 351 Gr. CG3M (3)	A 430 Gr. FP316H
A 240 Gr. 316 (1)	A 312 Gr. TP317H	A 351 Gr. CG8M (4)	A 479 Gr. 316 (1)
A 240 Gr. 316H	A 351 Gr. CF3A (2)	A 358 Gr. 316 (1)	A 479 Gr. 316H
A 240 Gr. 317 (1)			

NOTES:

- (1) At temperatures over 1,000°F, use only when the carbon content is 0.04% or higher.
- (2) Not to be used over 650°F.
- (3) Not to be used over 850°F.
- (4) Not to be used over 1,000°F.

A 351 Gr. CF3M (3)

Table VII-2.2.5 Ratings for Group 2.5 Materials (Cont'd)

A 182 Gr. F347 (1)	A 240 Gr. 348 (1)	A 351 Gr. CF8C (3)	A 430 Gr. FP347 (1)
A 182 Gr. F347H (2)	A 240 Gr. 348H (2)	A 358 Gr. 347 (1)	A 430 Gr. FP347H
A 182 Gr. F348 (1)	A 312 Gr. TP347 (1)	A 376 Gr. TP347 (1)	A 479 Gr. 347 (1)
A 182 Gr. F348H (2)	A 312 Gr. TP347H	A 376 Gr. TP347H	A 479 Gr. 347H
A 240 Gr. 347 (1)	A 312 Gr. TP348 (1)	A 376 Gr. TP348 (1)	A 479 Gr. 348 (1)
A 240 Gr. 347H (2)	A 312 Gr. TP348H	A 376 Gr. TP348H (1)	A 479 Gr. 348H

Tracking #14i37r1  
2010© NSF

Revision of NSF/ANSI 14 – 2009  
Issue 37, Draft 1, (August 2010)

This document is part of the NSF International Standards process and is for NSF Committee uses only. It shall not be reproduced, circulated or quoted, in whole or in part, outside of NSF activities, except with the approval of NSF.

[Note – the changes are seen below using strikeout for removal of old text and gray highlights to show the suggested text. ONLY the strikeout and highlights are within the scope of this ballot.]

---

NSF/ANSI 14 – 2009

© 2009 NSF

---

NSF/ANSI Standard  
for Plastics —

## Plastics piping system components and related materials

- 
- 
- 

**Table 3 – Solvent analysis methods**

<b>Solvent</b>	<b>Analytical method</b>
acetone	GC/FID or PID <sup>1</sup>
cyclohexanone	GC/FID or PID <sup>1</sup>
methyl ethyl ketone	<del>EPA 502.2</del> GC/FID <sup>2</sup>
tetrahydrofuran	GC/FID or PID <sup>1</sup>
<sup>1</sup> Gas chromatography (GC), with detection by flame ionization (FID) or photoionization (PID)	
<sup>2</sup> Gas chromatography (GC), with detection by flame ionization (FID)	

- 
- 
-

This document is part of the NSF International standard development process. This document is subject to change and may be a draft and/or non-final version. Committee members may reproduce, quote from, and/or circulate this document to persons or entities outside of their organization after first providing NSF International with written notice of to whom and for what purpose this document is to be shared.

[Note – the changes are seen below using strikeout for removal of old text and gray highlights to show the suggested text.]

## Sustainability assessment for carpet

- 
- 
- 

International Organization for Standardization (ISO) 14041: 1998, Environmental management – Life cycle assessment – Goal and scope definition and inventory analysis<sup>12</sup>

~~International Organization for Standardization (ISO) 14042: 2000, Environmental management – Life cycle assessment – Life cycle impact assessment<sup>12</sup>~~

International Organization for Standardization (ISO) 14044: 2006, Environmental management – Life cycle assessment – Requirements and guidelines<sup>12</sup>

***Reason: This Standard was withdrawn and revised by ISO 14040 and ISO 14044.***

- 
- 
- 

### 6.3.3.4 Reduction of specified life cycle impact categories (for the years 2000-present)

A manufacturer may achieve an average reduction in at least six of the environmental life cycle impact categories identified in Table 6.3.

Quantification of the impacts shall be determined according to the methodology from the USEPA's Tool for the Reduction and Assessment of Chemical and Other Environmental Impacts (TRACI). TRACI's impact categories and an example of the characterization factors can be found in Table 6.3. As the TRACI methodology is periodically updated, applicants should consider using the most recent version of the impact assessment methodology in order to ensure the most accurate life cycle calculations.

NOTE – LCA may use other well-recognized ISO 14042 compliant methods for impact assessment when TRACI is not appropriate.

- 
- 
- 

## 9.5 EMS certification

A manufacturer shall receive two points for providing documentation that verifies current external, third-party certification of its EMS for a manufacturing facility meeting the requirements of ISO 14001 (See Figure B1).

- 
- 
- 

### 9.7.2 ISO 9001 QMS certification

A manufacturer shall receive one additional point for providing documentation that verifies current external, third-party certification of its QMS for a manufacturing facility meeting the requirements of ISO 9001 (See Figure B1). The manufacturer's ISO 9001 certificate shall be provided as evidence of a third-party certification of its QMS.

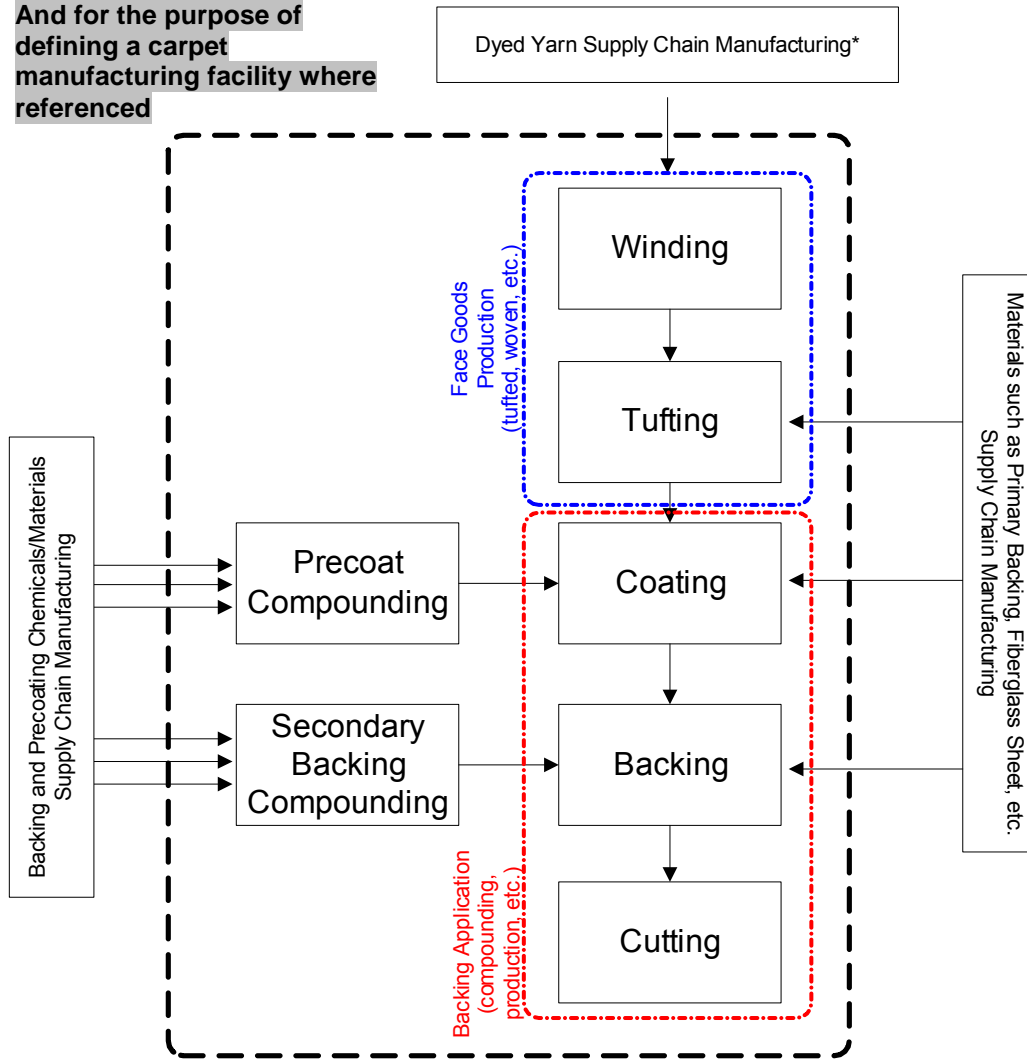
- 
-

This document is part of the NSF International standard development process. This document is subject to change and may be a draft and/or non-final version. Committee members may reproduce, quote from, and/or circulate this document to persons or entities outside of their organization after first providing NSF International with written notice of to whom and for what purpose this document is to be shared.

Figure B.1 – Life cycle boundaries for the purposes of toxics and social indicator reporting (T&SR), and for the purpose of defining a carpet manufacturing facility where referenced

**Figure B.1  
 Life Cycle Boundaries for Purposes of Toxics and Social Indicator Reporting (T&SR)**

And for the purpose of defining a carpet manufacturing facility where referenced



\*For white dyeable yarn, the dyeing processes done in the manufacturing facility must be accounted for on a mass and energy basis.

- 
- 
-

**LIMITED CANVASS #4 / LIMITED PUBLIC REVIEW #2**  
**REVIEW IS LIMITED TO REVISIONS TO EDITIONS OF REFERENCE DOCUMENTS**  
**NOTED IN YELLOW**

**SDI-NC-2010 Standard for Non-Composite Steel Floor Deck**

November 2010 (Revised through 17 August 2010)

1. General

1.2 Reference Codes, Standards, and Documents:

A. Codes and Standards: The following documents or portions thereof are referenced in this standard and shall be considered part of the requirements of this Standard

1. American Iron and Steel Institute (AISI)
  - a. AISI S100-07, North American Specification for the Design of Cold-Formed Steel Structural Members, **including Supplement 1 and Supplement 2.**
  - b. AISI S905-08, Test Methods for Mechanically Fastened Cold-Formed Steel Connections
  - c. AISI S907-08, Test Standard for Cantilever Test Method for Cold-Formed Steel Diaphragms
  - d. AISI/AISC, Standard Definitions for Use in the Design of Steel Structures, 2007 edition.
2. American Welding Society (AWS)
  - a. AWS D1.1:2008, Structural Welding Code-Steel
  - b. AWS D1.3:2008, Structural Welding Code-Sheet Steel
3. American Society for Testing and Materials (ASTM)
  - a. ASTM A653 / A653M - 08 Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process
  - b. ASTM A1008 / A1008M - 08a, Standard Specification for Steel, Sheet, Cold-Rolled, Carbon, Structural, High-Strength Low-Alloy, High-Strength Low-Alloy with Improved Formability, Solution Hardened, and Bake Hardenable
4. American Concrete Institute (ACI)
  - a. ACI 318-08, Building Code Requirements for Structural Concrete
5. American Institute of Steel Construction (AISC)
  - a. ANSI/AISC ~~360-05~~ **360-10**, Specification for Structural Steel Buildings

B. Reference Documents: The following documents or portions thereof are referenced in this standard and shall be considered part of the requirements of this Standard. Where these documents conflict with this standard, the more stringent shall control.

1. Steel Deck Institute (SDI)
  - a. SDI-DDM, Diaphragm Design Manual, 3<sup>rd</sup> Edition, including Appendices I through VI.

**User Note:** The following documents are referenced within the user notes:

1. American Iron and Steel Institute (AISI)

- 51 a. AISI S100-07, North American Specification for the Design of Cold-  
52 Formed Steel Structural Members, including Supplement 1 and  
53 Supplement 2.
- 54 b. AISI S907-08, Test Standard for Cantilever Test Method for Cold-  
55 Formed Steel Diaphragms
- 56 2. American Society for Testing and Materials (ASTM)
- 57 a. ASTM A653 / A653M - 08 Standard Specification for Steel Sheet,  
58 Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed)  
59 by the Hot-Dip Process
- 60 b. ASTM A1008 / A1008M - 08a, Standard Specification for Steel,  
61 Sheet, Cold-Rolled, Carbon, Structural, High-Strength Low-Alloy,  
62 High-Strength Low-Alloy with Improved Formability, Solution  
63 Hardened, and Bake Hardenable
- 64 c. ASTM E119 - 08a, Standard Test Methods for Fire Tests of Building  
65 Construction and Materials
- 66 3. Underwriters Laboratories (UL)
- 67 a. Fire Resistance Directory
- 68 4. Steel Deck Institute (SDI)
- 69 a. SDI-DDM, Diaphragm Design Manual, 3<sup>rd</sup> Edition, including  
70 Appendices I through VI.
- 71 b. SDI-MOC, Manual of Construction with Steel Deck, 2<sup>nd</sup> Edition  
72

**LIMITED CANVASS #4 / LIMITED PUBLIC REVIEW #2**  
**REVIEW IS LIMITED TO REVISIONS TO EDITIONS OF REFERENCE DOCUMENTS**  
**NOTED IN YELLOW**

**SDI-RD-2010 Standard for Steel Roof Deck**

November 2010 (Revised through 17 August 2010)

1. General

1.2 Reference Codes, Standards, and Documents:

A. Codes and Standards: The following documents or portions thereof are referenced in this standard and shall be considered part of the requirements of this Standard

1. American Iron and Steel Institute (AISI)

- a. AISI S100-07, North American Specification for the Design of Cold-Formed Steel Structural Members, **including Supplement 1 and Supplement 2.**
- b. AISI S905-08, Test Methods for Mechanically Fastened Cold-Formed Steel Connections
- c. AISI S907-08, Test Standard for Cantilever Test Method for Cold-Formed Steel Diaphragms
- d. AISI/AISC, Standard Definitions for Use in the Design of Steel Structures, 2007 edition.

2. American Welding Society (AWS)

- a. AWS D1.3:2008, Structural Welding Code-Sheet Steel

3. American Society for Testing and Materials (ASTM)

- a. ASTM A653 / A653M - 08 Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process
- b. ASTM A1008 / A1008M - 08a, Standard Specification for Steel, Sheet, Cold-Rolled, Carbon, Structural, High-Strength Low-Alloy, High-Strength Low-Alloy with Improved Formability, Solution Hardened, and Bake Hardenable

4. American Society of Civil Engineers (ASCE)

- a. SEI/ASCE **7-05, 7-10** Minimum Design Loads for Buildings and Other Structures

5. American Institute of Steel Construction (AISC)

- a. ANSI/AISC **360-05 360-10**, Specification for Structural Steel Buildings

B. Reference Documents: The following documents or portions thereof are referenced in this standard and shall be considered part of the requirements of this Standard.

Where these documents conflict with this standard, the more stringent shall control.

1. Steel Deck Institute (SDI)

- a. SDI-DDM, Diaphragm Design Manual, 3<sup>rd</sup> Edition, including Appendices I through VI.

**User Note:** The following documents are referenced within the user notes:

1. American Iron and Steel Institute (AISI)



- 50 a. AISI S100-07, North American Specification for the Design of Cold-  
51 Formed Steel Structural Members, including Supplement 1 and  
52 Supplement 2.
- 53 b. AISI S907-08, Test Standard for Cantilever Test Method for Cold-  
54 Formed Steel Diaphragms
- 55 2. American Society for Testing and Materials (ASTM)
- 56 a. ASTM A653 / A653M - 08 Standard Specification for Steel Sheet,  
57 Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed)  
58 by the Hot-Dip Process
- 59 b. ASTM A1008 / A1008M - 08a, Standard Specification for Steel,  
60 Sheet, Cold-Rolled, Carbon, Structural, High-Strength Low-Alloy,  
61 High-Strength Low-Alloy with Improved Formability, Solution  
62 Hardened, and Bake Hardenable
- 63 c. ASTM E119 - 08a, Standard Test Methods for Fire Tests of Building  
64 Construction and Materials
- 65 3. Underwriters Laboratories (UL)
- 66 a. Fire Resistance Directory
- 67 4. Steel Deck Institute (SDI)
- 68 a. SDI-DDM, Diaphragm Design Manual, 3<sup>rd</sup> Edition, including  
69 Appendices I through VI.
- 70 b. SDI Position Statement, *Field Painting of Deck*, May 2004.
- 71 c. SDI-MOC, Manual of Construction with Steel Deck, 2<sup>nd</sup> Edition  
72

## BSR/UL 6

### 1. Use of Two or More Primary Corrosion Protection Systems

#### PROPOSAL

#### 5.3 Protective Coatings

##### 5.3.1 General

5.3.1.1 The exterior surface of ERMCS shall be protected against corrosion by a coating solely of zinc as described in Clause 5.3.2 or an alternate corrosion-resistant coating as described in Clause 5.3.3. If evaluated for two or more primary coatings, the conduit shall be marked in accordance with Clause 7.11. The interior surface of ERMCS shall be protected against corrosion by a coating of zinc or an organic coating, as described in Clauses 5.3.2 and 5.3.4 respectively. See Annex C for an overview.

(NEW)

5.3.1.2 Primary coatings applied over other primary coatings on conduit, elbows, and nipples shall comply with Clause 6.2.4.9.

(NEW)

5.3.1.3 Conduit, elbows, or nipples provided with a primary coating that is prepared or modified for the application of an additional primary coating shall undergo the preparation process before being subjected to the tests in Section 6.2.

### 7. Markings

(NEW)

7.11 Conduit, elbows, or nipples provided with two or more primary coatings shall be marked, "Properties of the \_\_\_\_\_ have been investigated as primary corrosion protection. The combination of these systems has not been evaluated for additional corrosion protection" or equivalent wording. The blank shall be filled in with the types of primary coating.

## BSR/UL 758 – Addition of Composite Conductor to Table 5.2

Table 5.2

## Conductor metal specifications

Conductor metal	ASTM reference for the metal	Temperature limit for the metal, °C (°F)	Other limits
Copper, uncoated, each strand less than 0.015 inch (0.38 mm) in diameter <sup>b</sup>	ANSI/ASTM B 3	150 (302)	
Copper, uncoated, each strand at least 0.015 inch (0.38 mm) in diameter <sup>b</sup>	ANSI/ASTM B 3	200 (392)	
Copper, tin-coated, each strand less than 0.015 inch (0.38 mm) in diameter	ANSI/ASTM B 33	150 (302)	
Copper, tin-coated, each strand at least 0.015 inch (0.38 mm) in diameter	ANSI/ASTM B 33	200 (392)	
Copper, lead-base-alloy coated, each strand less than 0.015 inch (0.38 mm) in diameter	ANSI/ASTM B 189	150 (302)	
Copper, lead-base alloy coated, each strand at least 0.015 inch (0.38 mm) in diameter	ANSI/ASTM B 189	200 (392)	
Copper, uncoated or tin coated, each strand less than 0.015 inch (0.38 mm) in diameter, overcoated with tin	ANSI/ASTM B 286	150 (302)	For use where flexibility is not a concern.
Copper, uncoated or tin coated, each strand at least 0.015 inch (0.38 mm) in diameter, overcoated with tin	ANSI/ASTM B 286	200 (392)	For use where flexibility is not a concern.
Copper, silver-coated	ANSI/ASTM B 298	200 (392)	
Copper, nickel-coated	ANSI/ASTM B 355	250 (482)	

Copper, nickel-coated, Type A, 27 percent minimum nickel coated copper	ANSI/ASTM B 355	550 (1022)	
Copper alloy, hard-drawn, less than 0.015 inch (0.38 mm) in diameter	ANSI/ASTM B 105	150 (302)	May be uncoated or provided with a tin, or lead-base-alloy coating
Copper alloy, hard-drawn, each strand at least 0.015 inch (0.38 mm) in diameter	ANSI/ASTM B 105	200 (392)	May be uncoated or provided with a tin, lead-base-alloy, silver, or nickel coating
Copper alloy, annealed, less than 0.015 inch (0.38 mm) diameter <sup>b</sup>		150 (302)	High-strength copper-alloy (minimum tensile strength 55,000 psi or 379 MN/m <sup>2</sup> or 37.9 kN/cm <sup>2</sup> or 38.7 kgf/mm <sup>2</sup> ), 85 percent IACS <sup>a</sup> minimum conductivity, 6 percent minimum elongation. May be uncoated or provided with a tin, or lead based alloy coating
Copper alloy, annealed, at least 0.015 inch (0.38 mm) diameter <sup>b</sup>		200 (392)	High-strength copper alloy (minimum tensile strength 55,000 psi or 379 MN/m <sup>2</sup> or 37.9 kN/cm <sup>2</sup> or 38.7 kN/cm <sup>2</sup> or 38.7 kgf/mm <sup>2</sup> ), 85 percent IACS <sup>a</sup> minimum conductivity, 6 percent minimum elongation. May be uncoated or provided with a tin, or lead based alloy coating
Copper alloy, annealed or hard-drawn, silver-coated		200 (392)	
Copper alloy, annealed, or hard-drawn, nickel-coated		250 (482)	
Copper-clad aluminum, annealed or hard-drawn, 6530 circular mils or 3.31 mm <sup>2</sup> (12 AWG) and larger	ASTM B 566	90 (194)	Class 10A
Copper-clad steel less than 0.015 inch (0.38 mm) in diameter	ANSI/ASTM B 452	150 (302)	Minimum conductivity of 30 percent IACS <sup>a</sup>
Copper-clad steel at least 0.015 inch (0.38 mm) in diameter	ANSI/ASTM B 452	200 (392)	Minimum conductivity of 30 percent IACS <sup>a</sup>
Copper-clad steel, silver-coated	ANSI/ASTM B 501	200 (392)	Minimum conductivity of 30 percent IACS <sup>a</sup>
Aluminum, 6,530 - 16,510 circular mils or 3.31 - 8.367 mm <sup>2</sup> (12 - 4/0 AWG), solid or stranded	ANSI/ASTM B 800	90 (194)	Tensile-strength 15,000 - 22,000 psi or 103 - 152 MN/m <sup>2</sup> or 10.3 - 15.2 kN/cm <sup>2</sup> or 10.5 - 15.5 kgf/mm <sup>2</sup> , elongation 10 percent or more with 10-inch or 250-mm gauge length - component aluminum wire stock (conductor material), formerly "aluminum conductor material (ACM)"
Aluminum, 3/4 hard	ANSI/ASTM B 609	90 (194)	Tensile strength 17,000 - 22,000 psi or 117 - 152 MN/m <sup>2</sup> or 11.7 - 15.2 kN/cm <sup>2</sup> or 12 - 15.5 kgf/mm <sup>2</sup>
Aluminum, 1/2 hard	ANSI/ASTM B 609	90 (194)	Tensile strength 15,000 - 20,000 psi or 103 - 138 MN/m <sup>2</sup> or 10.3 - 13.8 kN/cm <sup>2</sup> or 10.5 - 14.9 kgf/mm <sup>2</sup>

Aluminum, hard	ANSI/ASTM B 609	90 (194)	
Stainless steel		250 (482)	
Nickel-plated iron		250 (482)	
Nickel, alloy		550 (1022)	Tensile strength 50,000 - 80,000 psi or 345 - 552 MN/m <sup>2</sup> or 34.5 - 55.2 kN/cm <sup>2</sup> or 35.1 - 56.2 kgf/mm <sup>2</sup> ; elongation at least 35 percent; nominal volume resistivity 66 ohm circular mil/foot at 20°C (68°F) or 0.110 ohm mm <sup>2</sup> /m at 20°C (68°F)
Nickel-chromium-iron		550 (1022)	

NOTE - "Copper, tin coated" mentioned in this table refers to copper strands of a conductor that are coated with tin before they are twisted. "Copper, overcoated with tin" mentioned in this table refers to copper strands that are twisted and then coated with tin.

<sup>a</sup> IACS - International Annealed Copper Standard

<sup>b</sup>The composite conductor may be twisted together of copper alloy conductor and copper conductor.

## BSR/UL 1994-201x

### 1. Proposal to clarify requirements for path marking signs

#### PROPOSAL

1.1 These requirements cover floor proximity and other egress path marking and lighting systems that provide a visual delineation of the path of egress. These systems are also used to identify significant egress path features such as doors, door hardware, door frames, stairs, stair landings, stair banisters, obstacles or egress symbols, information placards, and similar elements of the egress path.

1.5.1 These requirements do not address the text or graphical symbol content, or the configuration of path marker signs.

34.1.2 Path marker signs shall provide ~~color~~ luminance contrast (light versus dark) between the text / symbols and the background sufficient for them to be distinguishable from one another.