ANSI STANDARDS ACTION

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Contents

American National Standards

Call for comment on proposals listed

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

Ordering Instructions for "Call-for-Comment" Listings

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

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

* Standard for consumer products

ISSN 0038-9633

Comment Deadline: December 24, 2017

NSF (NSF International)

Revision

BSR/NSF 14-201x (i87r1), Plastics Piping System Components and Related Materials (revision of ANSI/NSF 14-2016)

This Standard establishes minimum physical, performance, and health effects requirements for plastic piping system components and related materials. These criteria were established for the protection of public health and the environment.

Click here to view these changes in full

Send comments (with copy to psa@ansi.org) to: Jason Snider, (734) 418 -6660, jsnider@nsf.org

NSF (NSF International)

Revision

BSR/NSF 50-201x (i135r1), Equipment for Swimming Pools, Spas, Hot Tubs and Other Recreational Water Facilities (revision of ANSI/NSF 50-2016)

This Standard covers materials, components, products, equipment, and systems related to public and residential recreational water facility operation.

Click here to view these changes in full

Send comments (with copy to psa@ansi.org) to: Jason Snider, (734) 418 -6660, jsnider@nsf.org

NSF (NSF International)

Revision

BSR/NSF 350-1-201x (i7r1), Onsite residential and commercial greywater treatment systems for subsurface discharge (revision of ANSI/NSF 350-1 -2012)

This Standard contains minimum requirements for onsite residential and commercial greywater treatment systems. Systems may include:

- Greywater reuse treatment systems having a rated treatment capacity up to 5,678 L/d

(1,500 gal/d): This applies to onsite residential and commercial reuse treatment systems that treat combined greywater, those that treat laundry water only from residential laundry facilities, and those that treat bathing water only. See 8.1 for performance testing and evaluation.

- Commercial greywater reuse treatment systems: This applies to onsite commercial reuse treatment systems that treat combined commercial facility greywater with capacities exceeding 5,678 L/d (1,500 gal/d) and commercial facility laundry water only of any capacity. These systems shall be performance tested and evaluated at the location of the reuse system installation, using the greywater generated onsite from the facility serving the treatment system. See 8.2 for performance testing and evaluation. The key elements of a field evaluation of a commercial onsite reuse treatment system are described in Annex A.

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Send comments (with copy to psa@ansi.org) to: Jason Snider, (734) 418 -6660, jsnider@nsf.org

NSF (NSF International)

Revision

BSR/NSF 350-201x (i23r1), Onsite Residential and Commercial Water Reuse Treatment Systems (revision of ANSI/NSF 350-2014)

This wastewater standard contains minimum requirements for onsite residential and commercial water treatment systems. Systems may include: Graywater treatment systems having a rated treatment capacity up to 5,678 L/day (1,500 gal/day); Residential wastewater treatment systems having a rated treatment capacity up to 5,678 L/day(1,500 gal/day); Commercial treatment systems that treat combined commercial facility wastewater and commercial facility laundry water of any capacity; and those treatment systems that treat graywater from commercial facilities with capacities exceeding 5,678 L/day (1,500 gal/day).

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NSF (NSF International)

Revision

BSR/NSF 350-201x (i24r1), Onsite Residential and Commercial Water Reuse Treatment Systems (revision of ANSI/NSF 350-2014)

This wastewater standard contains minimum requirements for onsite residential and commercial water treatment systems. Systems may include: Graywater treatment systems having a rated treatment capacity up to 5,678 L/day (1,500 gal/day); Residential wastewater treatment systems having a rated treatment capacity up to 5,678 L/day(1,500 gal/day); Commercial treatment systems that treat combined commercial facility wastewater and commercial facility laundry water of any capacity; and those treatment systems that treat graywater from commercial facilities with capacities exceeding 5,678 L/day (1,500 gal/day).

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RESNET (Residential Energy Services Network, Inc.)

Addenda

BSR/RESNET/ICC 301-201x Addendum G-201x, Solid State Lighting (addenda to ANSI/RESNET/ICC 301-2014)

The addendum adds a means of accounting for very high efficacy lighting, such as solid-state lighting, in the Standard ANSI/RESNET/ICC 301-2014 calculation of the Energy Rating Index.

Click here to view these changes in full

Comments are submitted via RESNET's online comment form. See the links from webpage: http://www.resnet.us/blog/resnet-consensus-standards/

Comment Deadline: January 8, 2018

APA (APA - The Engineered Wood Association)

Revision

BSR/APA PRS 610.1-201x, Standard for Performance-Rated Structural Insulated Panels in Wall Applications (revision of ANSI/APA PRS 610.1 -2013)

This standard covers manufacturing, qualification, quality assurance, and trademarking requirements for structural insulated panels used in wall applications.

Single copy price: Free

Obtain an electronic copy from: borjen.yeh@apawood.org

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ASABE (American Society of Agricultural and Biological Engineers)

Revision

BSR/ASABE S613-3.1 MONYEAR-201x, Tractors and self-propelled machinery for agriculture - Air quality systems for cabs - Part 3: Filters for environmental cab HVAC systems (revision and redesignation of ANSI/ASABE S613-3-JUN2013)

This part of the S613 standard series is concerned with the generally accepted design principles and test procedures that define and qualify a filter for an HVAC system used in contaminated environments as part of an Occupational Health and Safety Management System (OHSMS). Filter performance specifications for the cab and HVAC system will be a primary consideration in this part of the standard. These performance specifications may be used by cab designers and filter manufacturers to develop air purification devices that can be used in a specific HVAC system for reduction of application specific air-borne contaminants as part of an OHSMS as defined in part 1.

Single copy price: $61.00

Obtain an electronic copy from: vangilder@asabe.org

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

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

Revision

ANSI/ASHRAE Standard 174-2009, Method of Test for Rating Desiccant-Based Dehumidification Equipment (revision of ANSI/ASHRAE Standard 174 -2009)

This revision of Standard 174-2009 provides test methods for rating the performance of desiccant-based dehumidification equipment.

Single copy price: $35.00

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

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ATIS (Alliance for Telecommunications Industry Solutions)

Reaffirmation

BSR ATIS 0100036-2013 (R201x), Media Plane Performance Security Impairments for Evolving VoIP/Multimedia Networks (reaffirmation of ANSI ATIS 0100036-2013)

This ATIS Standard is intended to provide awareness and information regarding the use of security mechanisms in support of Next Generation Network (NGN) National Security and Emergency Preparedness (NS/EP) Services. When introducing network security mechanisms (e.g., IPSec) into Evolving Voice over Internet Protocol (VoIP)/Multimedia Networks, one may encounter impairments introduced or exacerbated by those network security mechanisms. One may need to explore tradeoffs between security and QoS to achieve the necessary communication channel during NS/EP conditions.

Single copy price: $145.00

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ATIS (Alliance for Telecommunications Industry Solutions)

Reaffirmation

BSR ATIS 1000025-2013 (R201x), User to Network Interface (UNI) Standard for Signaling and Control Security Requirements for Evolving VoP/Multimedia Networks (reaffirmation of ANSI ATIS 1000025-2013)

This standard specifies Voice over Packet and Multimedia signaling and control plane security requirements for evolving networks. This standard is part of a suite of signaling and control security standards as shown in Figure 1. This standard provides security requirements for VoP and Multimedia signaling and control services that cross the User to Network Interfaces (UNI).

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ATIS (Alliance for Telecommunications Industry Solutions)

Reaffirmation

BSR/ATIS 0100037-2013 (R201x), Impact Weighted MTBF - A Metric for Assessing Reliability of Hierarchical Systems (reaffirmation of ANSI/ATIS 0100037-2013)

The impact of failures in modern systems for voice and data transmission (e. g., IP routers or a Radio Network Controller) as well as mobility and wire-line communication networks with hierarchical design increases progressively with the hierarchical level. The Impact Weighted Mean Time Between Failure (IW-MTBF) - a combination of MTBF values for all hierarchical levels of a given network element or network segment weighted for each level by its respective impact on failures - is proposed as a method for evaluating overall reliability of the hierarchical system during the design phase.

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ATIS (Alliance for Telecommunications Industry Solutions)

Reaffirmation

BSR/ATIS 1000055-2013 (R201x), Emergency Telecommunications Service (ETS): Core Network Security Requirements (reaffirmation of ANSI/ATIS 1000055-2013)

The integrity, confidentiality, and availability of Emergency Telecommunication Service (ETS) in a multi-provider Next Generation Network (NGN) environment will depend on the security of each individual network involved in an end-to-end communication. To allow network-provided security of end-to-end ETS communications in a multi-provider environment, intra-network domain and inter-network domain security requirements for ETS protection are needed. This ATIS standard provides a minimum set of common (i.e., independent of network type or technology) and core network security requirements for the protection of ETS in a multi-provider NGN environment.

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Revision

BSR ATIS 0600016-201x, Remote End POTS Splitter Requirements (revision of ANSI ATIS 0600016-2008 (R2013))

This Standard presents static POTS splitter requirements for remote end splitters operating in the xDSL band between 32 kHz and 30 MHz. This standard is not intended to provide specific details on physical attributes, industry-standard safety considerations, or configuration of remote-end splitters. This document describes the electrical characteristics of remote-end splitters that reduce the xDSL signal impact on voice-band communication and provides isolation between voice-band equipment and xDSL equipment.

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Stabilized Maintenance

BSR ATIS 1000017-2008 (S201x), Interworking between the ISDN User - Network Interface Protocol and the Session Initiation Protocol (SIP) with ANSI Extensions to the Narrowband Signaling Syntax (NSS) (stabilized maintenance of ANSI ATIS 1000017-2008 (R2013))

This standard defines the interworking relationship between the D-channel layer-3 functions and protocol employed across an ISDN User-Network Interface and an interface using the Session Initiation Protocol (SIP) augmented by the Narrowband Signaling Syntax (NSS) with ANSI Extensions.

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BSR ATIS 1000026-2008 (S201x), Session Border Controller Functions and Requirements (stabilized maintenance of ANSI ATIS 1000026-2008 (R2013))

This document defines the Session Border Controller (SBC) functions and requirements that reside within a service provider's network. Implementation realizations of SBCs are also described. An SCE comprise of Call Control Signaling Path (CCSP) functions and Media Path (MP) functions. The separation of an SBC into its component functions is described; and call/sessions control, bearer/media, and OAM&P requirements are provided.

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BSR ATIS 1000028-2008 (S201x), IP Device (SIP UA) to Network Interface Standard (stabilized maintenance of ANSI ATIS 1000028-2008 (R2013))

This User-to-Network Interface (UNI) standard supports SIP-based interconnection for VoIP between a carrier (SCF) and the user (EUF). The SIP UNI interface specified in this document is applicable to individual SIP phones as well as to SUP PBXs.

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BSR ATIS 1000029-2008 (S201x), Security Requirements for NGN (stabilized maintenance of ANSI ATIS 1000029-2008 (R2013))

This standard provides security requirements for the Next Generation Network (NGN) against security threats, and to mitigate the effects of security attacks.

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BSR ATIS 1000030-2008 (S201x), Authentication and Authorization Requirements for Next Generation Network (NGN) (stabilized maintenance of ANSI ATIS 1000030-2008 (R2013))

This standard provides authentication and authorization requirements for Next Generation Networks (NGN). This includes requirements for authentication and authorization across the User-to-Network Interface (UNI), the Network-to-Network Interface (NNI) and the application- to-Network Interface (ANI) as well as any entities internally with a network that may require authentication and authorization.

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BSR ATIS 1000104-1991 (S201x), Exchange-Interchange Carrier Interfaces - Individual Channel Signaling Protocols (stabilized maintenance of ANSI ATIS 1000104-1991 (R2013))

The purpose of this standard is to enable a wireline exchange carrier (EC) entity and an interexchange carrier (IC), international carrier (INC), or consolidated carrier entity to provide interconnecting equipment that operates compatibly. This standard gives individual-channel signaling protocol requirements for the interface located between a public-switched EC network within an access area and an IC, INC, or consolidated carrier network.

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BSR ATIS 1000610-1998 (S201x), Generic Procedures for the Control of ISDN Supplementary Services (stabilized maintenance of ANSI ATIS 1000610-1998 (R2013))

This standard specifies the generic procedures applicable for the control of Integrated Services Digital Network (ISDN) supplementary services at the user-network interface. This standard is identical to the 1993 Recommendation Q.932 issued by the International Telecommunications Union - Telecommunications Standardization Sector (ITU-T) with the charges described in clause 3.

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Stabilized Maintenance

BSR ATIS 1000610.a-1998 (S201x), Generic Procedures for the Control of ISDN Supplementary Services, Modification to the Redirection Number Information Element (stabilized maintenance of ANSI ATIS 1000610.a-1998 (R2013))

This supplement to American National Standard for Telecommunications - Generic Procedures for the Control of ISDN Supplementary Services, ATIS 1000610.1998 (R2008), revises the standard to improve and clarify the standard based on related advances in other standards bodies.

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BSR ATIS 1000611-1991 (S201x), Signaling System Number 7 (SS7) - Supplementary Services for Non-ISDN Subscribers (stabilized maintenance of ANSI ATIS 1000611-1991 (R2013))

This standard describes thirteen services for non-integrated services digital network (non-ISDN) subscribers along with their supporting SS7 protocols. They provide enhanced functionality for users with non-ISDN interfaces who access SS7-capable networks.

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Stabilized Maintenance

BSR ATIS 1000612-1992 (S201x), Integrated Services Digital Network (ISDN) - Terminal Adaptation Using Statistical Multiplexing (stabilized maintenance of ANSI ATIS 1000612-1992 (R2013))

This standard describes a protocol for use in ISDN point-to-point, 64-kbit/s, H0, H10, H11, or D (for Frame Relay) connections to accommodate lower-speed devices conforming to other standards. It does not define the specific mapping between those standards and the protocol defined, as this is viewed as an implementation matter and does not require standardization.

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Stabilized Maintenance

BSR ATIS 1000618-1991 (S201x), Integrated Services Digital Network (ISDN) - Core Aspects of Frame Protocol for Use with Frame Relay Bearer Service (stabilized maintenance of ANSI ATIS 1000618-1991 (R2013))

This standard provides a description of the protocol to support the data transfer phase of the Frame Relay bearer service as defined in ANSI T1.606, Frame-relaying bearer service - Architectural framework and service description, including Addendum 1. The protocol defined in this standard is a protocol operating in the lowest sublayer of the data link layer of the OSI reference model.

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BSR ATIS 1000622-1999 (S201x), Message Waiting Indicator Control and Notification Supplementary Services and Associated Switching and Signaling Specifications (stabilized maintenance of ANSI ATIS 1000622 -1999 (R2013))

This standard specifies the service capabilities of Message Waiting Indicator Control and Notification (MWICN) services within the context of an Integrated Services Digital Network (ISDN). Message Waiting Indicator Control and Notification service allows a Message Storage and Retrieval (MSR) System to inform its client users about the status of messages recorded at the MSR System. The associated switching and signaling specifications are also provided. This service shall be made available by subscription arrangements. The interaction of this service with other ANSI-defined service capabilities are included.

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Stabilized Maintenance

BSR ATIS 1000622.a-1998 (S201x), Message Waiting Indicator Control and Notification Supplementary Services and Associated Switching and Signaling Specifications (stabilized maintenance of ANSI ATIS 1000622.a -1998 (R2013))

This supplement to American National Standard for Telecommunications - Message Waiting Indicator and Notification Supplementary Services and Associated Switching and Signaling Specifications, ATIS 1000622.1999 (R2008), revises the standard to improve and expand the applicability of this standard, in particular, when interfacing to an NT2.

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Stabilized Maintenance

BSR ATIS 1000625-1993 (S201x), Integrated Services Digital Network (ISDN) - Calling Line Identification Presentation and Restriction Supplementary Services (stabilized maintenance of ANSI ATIS 1000625 -1993 (R2013))

The ISDN supplementary service called Calling Line Identification Presentation and Calling Line Identification Restriction are defined in three parts: (1) a description from the user's point of view, (2) an abstract analysis of the functional capabilities needed in network and user equipment, and (3) a precise specification of access and interexchange signaling capabilities that can be used to implement Calling Line Identification Presentation and Calling Line Identification Restriction.

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Stabilized Maintenance

BSR ATIS 1000625.a-1998 (S201x), Integrated Services Digital Network (ISDN) - Calling Line Identification Presentation and Restriction Supplementary Services (stabilized maintenance of ANSI ATIS 1000625.a -1998 (R2013))

This supplement to American National Standard for Telecommunications - Integrated Services Digital Network (ISDN) - Calling Line Identification Presentation and Restriction Supplementary Services, ATIS 1000625-1993 (R2008), revises the standard to add a statement to the Scope and Purpose indicating that the standard can also be applied to wireless PCS applications.

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BSR ATIS 1000643-1998 (S201x), Integrated Services Digital Network (ISDN) - Explicit Call Transfer Supplementary Service (stabilized maintenance of ANSI ATIS 1000643-1998 (R2013))

This standard is one of a series that defines and describes supplementary services within the context of an Integrated Services Digital Network (ISDN). This supplementary service shall be made available on a demand or subscription arrangement. The interaction of this supplementary service with other ISDN services is also included. The purpose of the standard is to allow maximum compatibility among network- and user-owned telecommunications equipment in order to increase the attractiveness and usefulness of ISDN-based capabilities.

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BSR ATIS 1000645-1995 (S201x), B-ISDN Signaling ATM Adaptation Layer - Service Specific Coordination Function for Support of Signaling at the Network Node Interface (SSCF at the NNI) (stabilized maintenance of ANSI ATIS 1000645-1995 (R2013))

This standard provides a function that is part of the ATM Adaptation Layer for the support of signaling (SAAL) at the Network Node Interface (NNI) of the B-ISDN. This function is used to map the service of the Service Specific Connection Oriented Protocol (SSCOP) of the AAL to the requirements of an SAAL user at the NNI as defined in ATIS 1000111. These requirements cover the needs for signaling between network nodes and networks. This function is called Service Specification Coordination Function (SSCF) for signaling at the NNI.

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Stabilized Maintenance

BSR ATIS 1000654-1996 (S201x), Broadband Integrated Services Digital Network (B-ISDN) - Operations and Maintenance Principles and Functions (stabilized maintenance of ANSI ATIS 1000654-1996 (R2013))

This standard specifies the Operations and Maintenance (OAM) principles and functions for the Broadband aspects of the Integrated Services Digital Network (B-ISDN). Specifically, it defines the OAM flow mechanisms for B-ISDNs and specifies OAM functions for the Physical and Asynchronous Transfer Mode (ATM) layers of the B-ISDN protocol reference model. The categories of operations addressed are Fault Management and Performance Management.

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Stabilized Maintenance

BSR ATIS 1000660-1998 (S201x), Signaling System Number 7 - Call Completion to a Portable Number - Integrated Text (stabilized maintenance of ANSI ATIS 1000660-1998 (R2013))

This document describes the Signalling System Number 7 (SS7) network capabilities for completing calls to end users with portable numbers. The SS7 network capability, known as Call Completion to a Portable Number (CCPN), provides the core functionality. CCPN also includes optional network capabilities for obtaining the routing information outlined in 4.1 and described in Annexes A-C to supplement the CCPN capability. These optional network capabilities are: Number Portability (NP) Query - Response, NP Release to Pivot (NP RTP), and NP Query on Release (NP QoR).

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Stabilized Maintenance

BSR ATIS 1000665-1997 (S201x), Broadband ISDN - Overview of ANSI B-ISDN NNI Signaling Capability Set 2, Step 1 (stabilized maintenance of ANSI ATIS 1000665-1997 (R2013))

This standard provides an overview of the capabilities of the ANSI Broadband ISDN Network Node Interface (B-ISDN NNI) for the Broadband ISDN Signaling Capability Set 2, Step 1 (B-ISDN NNI CS 2.1). This standard should thus be seen as an increment to ANSI T1.648, Section 1 which provides an overview of the B-ISUP for Signaling Capability Set 1. The B-ISDN NNI CS 2.1 builds upon the B-ISUP defined for Signaling Capability Set 1. The B-ISUP for CS 1 provides call control for point-to-point single-connection calls using ISDN bearer classes BCOB-A and BCOB-X.

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Stabilized Maintenance

BSR/ATIS 0100001-2004 (S201x), User Plane Security Guidelines and Requirements for ETS (stabilized maintenance of ANSI/ATIS 0100001-2004 (R2013))

This standard provides a set of user plane security guidelines and requirements for Emergency Telecommunications Services (ETS) over IP networks. The scope is intended to address security as it relates to user plane performance, reliability, and availability of ETS. ETS does not include E-911.

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Stabilized Maintenance

BSR/ATIS 0100017-2008 (S201x), Reduced Reference Video Calibration Estimation Method (stabilized maintenance of ANSI/ATIS 0100017-2008 (R2013))

This standard describes four Reduced Reference (RR) video calibration algorithms of low computational complexity. RR Methods are useful for performing end-to-end in-service video quality measurements since these methods utilize a low-bandwidth network connection between the original (source) and processed (destination) ends.

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BSR/ATIS 0100020-2008 (S201x), Quantifying the Impact on IP Service Availability from Network Element Outages (stabilized maintenance of ANSI/ATIS 0100020-2008 (R2013))

This standard describes a metric that quantifies the impact on IP service availability due to an underlying network element outage. Currently, Network Management System (NMS) tools offer limited capabilities to collect necessary data for estimating this impact. The purpose of this metric is to encourage development of outage measurement capabilities/techniques for metric estimation by equipment vendors.

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ATIS (Alliance for Telecommunications Industry Solutions)

Stabilized Maintenance

BSR/ATIS 0100022-2008 (S201x), Priority Classification Levels for Next Generation Networks (stabilized maintenance of ANSI/ATIS 0100022-2008 (R2013))

This standard formalizes a set of priority classification levels for admission control and service restoration in Next Generation Networks. The highest priority classifications are reserved for Emergency Telecommunications Service.

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Stabilized Maintenance

BSR/ATIS 0100501-1994 (S201x), Network Performance - Tandem Encoding Limits for 32 - kbit/s Adaptive Differential Pulse-Code Modulation (ADPCM) (stabilized maintenance of ANSI/ATIS 0100501-1994 (R2013))

This standard specifies the limitations on the maximum number of ITU-T Recommendation G.726 32-kbit/s adaptive differential pulse-code modulation (ADPCM) encoding allowable in 4-kHz voice-grade network connections.

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BSR/ATIS 0100508-2003 (S201x), Loss Plan for Digital Networks (stabilized maintenance of ANSI/ATIS 0100508-2003 (R2013))

This standard provides loss plan requirements for digital networks, including Digital End Offices, taking into account different network configurations and elements, and their associated transmission characteristics.

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BSR/ATIS 0100509-1995 (S201x), Packetized Circuit Multiplication Equipment - Interface Specification (stabilized maintenance of ANSI/ATIS 0100509-1995 (R2013))

The purpose of this standard is to standardize the interface to packetized circuit multiplication equipment (PCME). PCME converts speech, voiceband data, facsimile, channel-associated (i.e., in-band) signaling, common channel signaling, video, and digital data information from channelized DS1 of Synchronous Optical Network (SONET) formats to LAPD-like frame format.

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Stabilized Maintenance

BSR/ATIS 0100510-1999 (S201x), Network Performance Parameters for Dedicated Digital Services for Rates Up to and Including DS3 - Specifications (stabilized maintenance of ANSI/ATIS 0100510-1999 (R2013))

This standard applies to Dedicated Digital Services operating at nominal rates of 56/64 kbit/s, 1.544 Mbit/s, and 44.736 Mbit/s with objectives based on the longest and most complex circuits. Dedicated Digital Services are characterized by established connections.

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Stabilized Maintenance

BSR/ATIS 0100511-2003 (S201x), B-ISDN ATM Layer Cell Transfer Performance (stabilized maintenance of ANSI/ATIS 0100511-2003 (R2013))

Through its normative reference to ITU-T Recommendation I.356, this standard defines speed, accuracy, and dependability performance parameters for cell transfer in the Asynchronous Transfer Mode (ATM) layer of a national public Broadband Integrated Services Digital Network (B-ISDN). It provisionally allocates performance values to define portions of an end-to-end national ATM connection.

Single copy price: $175.00

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BSR/ATIS 0100512-1994 (S201x), Network Performance - Point-to-Point Voice-Grade Special Access Network Voiceband Data Transmission Objectives (stabilized maintenance of ANSI/ATIS 0100512-1994 (R2013))

This standard provides performance objectives for the two-way transmission path between the access provider's network interface to an end-user and an interexchange carrier's point of termination. This set of objectives will enable the provision of quality end-to-end performance for voiceband data voice-grade special services. This standard sets objectives for analog performance-related transmission parameters based on end-user needs and applications.

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BSR/ATIS 0100513-2003 (S201x), Frame Relay Data Communication Service - Access, User Information Transfer, Disengagement, and Availability Performance Parameters (stabilized maintenance of ANSI/ATIS 0100513-2003 (R2013))

This standard defines performance for Frame Relay permanent and switched vitual connections, including availability, using both parameters and objectives. Information transfer objectives are presented in quality of service classes.

Single copy price: $220.00

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Stabilized Maintenance

BSR/ATIS 0100518-1998 (S201x), Objective Measurement of Telephone Band Speech Quality Using Measuring Normalizing Blocks (MNBs) (stabilized maintenance of ANSI/ATIS 0100518-1998 (R2013))

This American National Standard (ANS) defines an algorithm that provides acceptably accurate predictions in the same areas as Recommendation P.861, as well as in additional important conditions, such as transmission channel errors and lower-rate speech coders.

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BSR/ATIS 0100519-1999 (S201x), Specifications for Transport of Generic Packets (including MPEG-2) Transport Packets) Over the DS Hierarchy (stabilized maintenance of ANSI/ATIS 0100519-1999 (R2013))

This standard describes the methods and practices for the transmission of a type of generic packet data over the digital hierarchy.

Single copy price: $60.00

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Stabilized Maintenance

BSR/ATIS 0100524-2004 (S201x), Reliability-Related Metrics and Terminology for Network Elements in Evolving Communications Networks (stabilized maintenance of ANSI/ATIS 0100524-2004 (R2013))

This standard defines reliability-related metrics, features, and terminology for communication networks to foster industry wide consistent nomenclature and methodology when specifying and measuring reliability-related attributes.

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Stabilized Maintenance

BSR/ATIS 0100801.03-2003 (S201x), Digital Transport of One-Way Video Signals - Parameters for Objective Performance Assessment (stabilized maintenance of ANSI/ATIS 0100801.03-2003 (R2013))

This standard provides a video performance estimation method for one-way compressed video signals transported digitally on an error-free network or storage system. This video performance estimation method is for possible use with end-user systems, carriers, information and enhanced-service providers, and customer-premise equipment.

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BSR/ATIS 0100803-1998 (S201x), Overview and Reference for GSTN Multimedia Terminals (stabilized maintenance of ANSI/ATIS 0100803-1998 (R2013))

This document is to be a general overview of the implementation of multimedia terminals targeting audio-visual conferencing applications on the GSTN. This document also provides elaboration of implementation details in areas which the ITU-T document have been found to be vague or unclear.

Single copy price: $145.00

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ATIS (Alliance for Telecommunications Industry Solutions)

Withdrawal

ANSI ATIS 1000023-2013, ETS Network Element Requirements for an NGN IMS-Based Deployments (withdrawal of ANSI ATIS 1000023-2013)

This document defines network element requirements to ensure that Emergency Telecommunications Service (ETS) is implementable and interoperable in a multi-vendor environment for an NGN IMS-based network deployment. These requirements further refine the procedures defined in the ETS in IP Networks Phase 1 standard [ATIS 1000010]. In addition, OA&M requirements are specified.

Single copy price: $220.00

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AWWA (American Water Works Association)

Revision

BSR/AWWA C507-201x, Ball Valves, 6 In. Through 60 In. (150 mm through 1,500 mm) (revision of ANSI/AWWA C507-2014)

This standard covers gray-iron, ductile-iron, and cast-steel flanged-end, low-leakage, shaft- or trunnion-mounted, full-port, double- and single-seated ball valves for pressures up to 150 psi (1,050 kPa) in sizes 6-in. through 60-in. (150-mm through 1,500-mm) diameter and pressures up to 300 psi (2,100 kPa) in sizes from 6-in through 48-in. (150-mm through 1,200-mm) diameter for use in water, wastewater, and reclaimed water systems.

Single copy price: Free

Obtain an electronic copy from: vdavid@awwa.org

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

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

CSA (CSA Group)

New National Adoption

BSR/CSA LNG 3.1-201x, Road Vehicles - Liquified natural gas (LNG) fuel system components - Part 1: General requirements and definitions (national adoption with modifications of ISO 12614-1)

This part of ISO 12614 specifies general requirements and definitions of liquefied natural gas fuel-system components, intended for use on the types of motor vehicles as defined in ISO 3833. It also provides general design principles and specifies requirements for instructions and marking. This part of ISO 12614 is not applicable to the following: (a) fuel containers; (b) stationary gas engines; (c) container mounting hardware; (d) electronic fuel management; and (e) fueling receptacles.

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CSA (CSA Group)

New National Adoption

BSR/CSA LNG 3.2-201x, Road vehicles - Liquefied natural gas (LNG) fuel system components - Part 2: Performance and general test methods (national adoption with modifications of ISO 12614-2)

This part of ISO 12614 specifies general requirements and definitions of liquefied natural gas fuel-system components, intended for use on the types of motor vehicles as defined in ISO 3833. This part of ISO 12614 is also applicable to other LNG-fueled motor vehicles (for example, ships) as far as appropriate, until any specific norm would be worked out for such a type of vehicle. It also provides general design principles, and specifies requirements for instructions and marking. This part of ISO 12614 is not applicable to the following: (a) fuel containers; (b) stationary gas engines; (c) container mounting hardware; (d) electronic fuel management; and (e) refueling receptacles.

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CSA (CSA Group)

New National Adoption

BSR/CSA LNG 3.3-201x, Road vehicles - Liquefied natural gas (LNG) fuel system components - Part 3: Check valve (national adoption with modifications of ISO 12614-3)

This part of ISO 12614 specifies tests and requirements for the check valve, a liquefied natural gas fuel system component intended for use on the types of motor vehicles defined in ISO 3833. This part of ISO 12614 is not applicable to the following: (a) fuel containers; (b) stationary gas engines; (c) container mounting hardware; (d) electronic fuel management; and (e) refueling receptacles.

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CSA (CSA Group)

New National Adoption

BSR/CSA LNG 3.4-201x, Road vehicles - Liquefied natural gas (LNG) fuel system components - Part 4: Manual valve (national adoption with modifications of ISO 12614-4)

This part of ISO 12614 specifies tests and requirements for the manual valve, a liquefied natural gas fuel system component intended for use on the types of motor vehicles defined in ISO 3833. This part of ISO 12614 is not applicable to the following: (1) fuel containers; (2) stationary gas engines; (3) container mounting hardware; (4) electronic fuel management; and (5) refueling receptacles.

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CSA (CSA Group)

New National Adoption

BSR/CSA LNG 3.5-201x, Road vehicles - Liquefied natural gas (LNG) fuel system components - Part 5: Tank pressure gauge (national adoption with modifications of ISO 12614-5)

This part of ISO 12614 specifies tests and requirements for the tank pressure gauge, a liquefied natural gas fuel system component intended for use on the types of motor vehicles defined in ISO 3833. This part of ISO 12614 is not applicable to the following: (a) fuel containers; (b) stationary gas engines; (c) container mounting hardware; (d) electronic fuel management; and (e) refueling receptacles.

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CSA (CSA Group)

New National Adoption

BSR/CSA LNG 3.7-201x, Road vehicles - Liquefied natural gas (LNG) fuel system components - Part 7: Pressure relief valve (national adoption with modifications of ISO 12614-7)

This part of ISO 12614 specifies tests and requirements for the pressure relief valve (PRV), a liquefied natural gas fuel system component intended for use on the types of motor vehicles defined in ISO 3833. This part of ISO 12614 is not applicable to the following: (a) fuel containers; (b) stationary gas engines; (c) container mounting hardware; (d) electronic fuel management; and (e) refueling receptacles.

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CSA (CSA Group)

New National Adoption

BSR/CSA LNG 3.8-201x, Road vehicles - Liquefied natural gas (LNG) fuel system components - Part 8: Excess flow valve (national adoption with modifications of ISO 12614-8)

This part of ISO 12614 specifies tests and requirements for the excess flow valve, a liquefied natural gas fuel system component intended for use on the types of motor vehicles defined in ISO 3833. This part of ISO 12614 is applicable to vehicles using natural gas in accordance with ISO 15403 (mono-fuel, bi-fuel, or dual-fuel applications). It is not applicable to the following: (a) fuel containers; (b) stationary gas engines; (c) container mounting hardware; (d) electronic fuel management; and (e) refueling receptacles.

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CSA (CSA Group)

New National Adoption

BSR/CSA LNG 3.9-201x, Road vehicles - Liquefied natural gas (LNG) fuel system components - Part 9: Gas-tight housing and ventilation hose (national adoption with modifications of ISO 12614-9)

This part of ISO 12614 specifies tests and requirements for the gas-tight housing and ventilation hose, a liquefied natural gas fuel system component intended for use on the types of motor vehicles defined in ISO 3833. This part of ISO 12614 is applicable to vehicles using natural gas in accordance with ISO 15403 (monofuel, bi-fuel, or dual-fuel applications). It is not applicable to the following: (a) fuel containers; (b) stationary gas engines; (c) container mounting hardware; (d) electronic fuel management; and (e) refueling receptacles.

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CSA (CSA Group)

New National Adoption

BSR/CSA LNG 3.10-201x, Road vehicles - Liquefied natural gas (LNG) fuel system components - Part 10: Rigid fuel line in stainless steel (national adoption with modifications of ISO 12614-10)

This part of ISO 12614 specifies tests and requirements for the rigid fuel line, a liquefied natural gas fuel system component intended for use on the types of motor vehicles defined in ISO 3833. This part of ISO 12614 is not applicable to the following: (a) fuel containers; (b) stationary gas engines; (c) container mounting hardware; (d) electronic fuel management; and (e) refueling receptacles.

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New National Adoption

BSR/CSA LNG 3.11-201x, Road vehicles - Liquefied natural gas (LNG) fuel system components - Part 11: Fittings (national adoption with modifications of ISO 12614-11)

This part of ISO 12614 specifies tests and requirements for the fittings, a liquefied natural gas fuel system component intended for use on the types of motor vehicles defined in ISO 3833. This part of ISO 12614 is not applicable to the following: (a) fuel containers; (b) stationary gas engines; (c) container mounting hardware; (d) electronic fuel management; and (e) refueling receptacles.

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New National Adoption

BSR/CSA LNG 3.12-201x, Road vehicles - Liquefied natural gas (LNG) fuel system components - Part 12: Rigid fuel line in copper and its alloys (national adoption with modifications of ISO 12614-12)

This part of ISO 12614 specifies tests and requirements for the rigid fuel line in copper, a liquefied natural gas fuel system component intended for use on the types of motor vehicles defined in ISO 3833. This part of ISO 12614 is not applicable to the following: (a) fuel containers; (b) stationary gas engines; (c) container mounting hardware; (d) electronic fuel management; and (e) refueling receptacles.

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CSA (CSA Group)

New National Adoption

BSR/CSA LNG 3.13-201x, Road vehicles - Liquefied natural gas (LNG) fuel system components - Part 13: Tank pressure control regulator (national adoption with modifications of ISO 12614-13)

This part of ISO 12614 specifies tests and requirements for the pressure control regulator, a liquefied natural gas fuel system component intended for use on the types of motor vehicles defined in ISO 3833. This part of ISO 12614 is not applicable to the following: (a) fuel containers; (b) stationary gas engines; (c) container mounting hardware; (d) electronic fuel management; and (e) refueling receptacles.

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CSA (CSA Group)

New National Adoption

BSR/CSA LNG 3.14-201x, Road vehicles - Liquefied natural gas (LNG) fuel system components - Part 14: Differential pressure fuel content gauge (national adoption with modifications of ISO 12614-14)

This part of ISO 12614 specifies tests and requirements for the differential pressure fuel content gauge, a liquefied natural gas fuel system component intended for use on the types of motor vehicles defined in ISO 3833. This part of ISO 12614 is not applicable to the following: (a) fuel containers; (b) stationary gas engines; (c) container mounting hardware; (d) electronic fuel management; and (e) refueling receptacles.

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CSA (CSA Group)

New National Adoption

BSR/CSA LNG 3.15-201x, Road vehicles - Liquefied natural gas (LNG) fuel system components - Part 15: Capacitance fuel content gauge (national adoption with modifications of ISO 12614-15)

This part of ISO 12614 specifies tests and requirements for the capacitance fuel content gauge, a liquefied natural gas fuel system component intended for use on the types of motor vehicles defined in ISO 3833. This part of ISO 12614 is applicable to vehicles using natural gas in accordance with ISO 15403 (monofuel, bi-fuel, or dual-fuel applications). It is not applicable to the following: (a) fuel containers; (b) stationary gas engines; (c) container mounting hardware; (d) electronic fuel management; and (e) refueling receptacles.

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CSA (CSA Group)

New National Adoption

BSR/CSA LNG 3.16-201x, Road vehicles - Liquefied natural gas (LNG) fuel system components - Part 16: Heat exchanger-vaporizer (national adoption with modifications of ISO 12614-16)

This part of ISO 12614 specifies tests and requirements for the heat exchanger - vaporizer, a liquefied natural gas fuel system component intended for use on the types of motor vehicles defined in ISO 3833. This part of ISO 12614 is not applicable to the following: (a) fuel containers; (b) stationary gas engines; (c) container mounting hardware; (d) electronic fuel management; and (e) refueling receptacles.

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CSA (CSA Group)

New National Adoption

BSR/CSA LNG 3.18-201x, Road vehicles - Liquefied natural gas (LNG) fuel system components - Part 18: Gas temperature sensor (national adoption with modifications of ISO 12614-18)

This part of ISO 12614 specifies tests and requirements for the gas temperature sensor, a liquefied natural gas fuel system component intended for use on the types of motor vehicles defined in ISO 3833. This part of ISO 12614 is not applicable to the following: (a) fuel containers; (b) stationary gas engines; (c) container mounting hardware; (d) electronic fuel management; and (e) refueling receptacles.

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CSA (CSA Group)

New National Adoption

BSR/CSA LNG 3.19-201x, Road vehicles - Liquefied natural gas (LNG) fuel system components - Part 19: Automatic valve (national adoption with modifications of ISO 12614-19)

This document specifies tests and requirements for the automatic valve, a liquefied natural gas fuel system component intended for use on the types of motor vehicles defined in ISO 3833. This document is applicable to vehicles using natural gas in accordance with ISO 15403 (all parts) (mono-fuel, bi-fuel or dual-fuel applications). It is not applicable to the following: (a) fuel containers; (b) stationary gas engines; (c) container mounting hardware; (d) electronic fuel management; and (e) refuelling receptacles.

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CTA (Consumer Technology Association)

New Standard

BSR/CTA-2042.3-201x, Methods of Measurement for Efficiency and Standby Power of Wireless Power Systems (new standard)

The scope of this document is to establish common test methodology for power transfer efficiency and standby power for consumer electronic devices that utilize wireless power transfer.

Single copy price: $58.00

Order from: Veronica Lancaster, (703) 907-7697, vlancaster@cta.tech

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HPS (ASC N13) (Health Physics Society)

Reaffirmation

BSR N13.41-2011 (R201x), Criteria for Performing Multiple Dosimetry (reaffirmation of ANSI N13.41-2011)

This standard contains criteria applicable to routine occupational activities for when and how to use multiple dosimeters to monitor the body and extremities of individuals exposed to external sources of ionizing radiation.

Single copy price: $50.00

Obtain an electronic copy from: nanjohns@verizon.net

Order from: Nancy Johnson, (703) 790-1745, nanjohns@verizon.net

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IAPMO (Z) (International Association of Plumbing & Mechanical Officials)

Revision

BSR/CSA B45.8/IAPMO Z403-201x, Terrazzo, concrete, composite stone, and natural stone plumbing fixtures (revision of ANSI/CSA B45.8/IAPMO Z403-2013)

This Standard covers terrazzo, concrete, composite stone, and natural stone plumbing fixtures and specifies requirements for materials, construction, performance, testing, and markings of these fixtures. This Standard covers the following plumbing fixtures: (a) bathtubs and combination tub/showers; (b) lavatories; (c) shower bases and shower stalls; and (d) sinks: (i) bar sinks; (ii) kitchen sinks; (iii) laundry sinks; (iv) service sinks; and (v) wash fountains.

Single copy price: $25.00

Obtain an electronic copy from: standards@iapmostandards.org

Order from: Kyle Thompson, (909) 230-5534, kyle.thompson@iapmostandards.org

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

NFSI (National Floor Safety Institute)

Revision

BSR/NFSI B101.1-201x, Test Method for Measuring the Wet SCOF of Hard-Surface Walkways (revision of ANSI/NFSI B101.1-2009)

This test method specifies the procedures and devices used for both laboratory and field-testing to measure the wet static coefficient of friction (SCOF) of hard-surface walkways.

Single copy price: $59.95

Obtain an electronic copy from: Laura Cooper laurac@nfsi.org

Order from: Russell Kendzior, (817) 749-1700, russk@nfsi.org

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RESNA (Rehabilitation Engineering and Assistive Technology Society of North America)

Reaffirmation

BSR/RESNA ASE-2-2012 (R201x), RESNA Standard for Adaptive Sports Equipment - Volume 2: Adaptive Golf Cars (reaffirmation of ANSI/RESNA ASE-2-2012)

ANSI/NGCMA Z130.1-2004 provides Safety and Performance for Golf Cars. Adaptive golf cars are similar to standard golf cars in many respects but have hand controls, a swivel seat and the golfer swings the golf club while sitting in the adaptive golf car. This creates numerous safety issues not addressed by ANSI/NGCMA Z130.1-2004 that need to be resolved.

Single copy price: $75.00

Obtain an electronic copy from: ymeding@resna.org

Order from: Yvonne Meding, (703) 524-6686, YMeding@resna.org

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RESNET (Residential Energy Services Network, Inc.)

Revision

BSR/RESNET/ICC 380-201X, Standard for Testing Airtightness of Building, Dwelling Unit and Sleeping Unit Enclosures, Airtightness of Heating and Cooling Air Distribution Systems, and Airflow of Mechanical Ventilation Systems (revision and redesignation of ANSI/RESNET/ICC 380-2016)

This standard is applicable to all dwelling units and sleeping units in residential and commercial buildings. The standard defines procedures for measuring the airtightness of building, dwelling unit and sleeping unit enclosures, the airtightness of heating and cooling air distribution systems, and the airflow of mechanical ventilation systems. The standard complements and references other American National Standards.

Single copy price: $55.00

Obtain an electronic copy from: Electronic copy can be downloaded from the RESNET website at http://www.resnet.us/blog/resnet-consensus-standards/

Order from: Rick Dixon, Standards Manager, RESNET, P.O. Box 4561, Oceanside, CA 92052

Comments are submitted via RESNET's online comment form. See the links from webpage: http://www.resnet.us/blog/resnet-consensus-standards/

SCTE (Society of Cable Telecommunications Engineers)

New Standard

BSR/SCTE 129-201x, Drop Passives: Bonding Blocks (Without Surge Protection) (new standard)

The purpose of this document is to recommend mechanical and electrical standards for broadband radio frequency (RF) devices whose primary purpose is to provide a transition point between the network operator's service cable (the “drop”) and the distribution wiring within premises. An important function of the device is to provide a connection point for a bonding conductor in accordance with requirements of the National Electrical Code or local building requirements. The scope of this specification is limited to 75-ohm devices whose ports are provided with female type F ports.

Single copy price: $50.00

Obtain an electronic copy from: standards@scte.org

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

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

SCTE (Society of Cable Telecommunications Engineers)

Revision

BSR/SCTE 109-201x, Test Procedure for Common Path Distortion (CPD) (revision of ANSI/SCTE 109-2010)

The purpose of this document is to establish the standard methodology used to measure Common Path Distortion (CPD) in Cable Telecommunications Systems.

Single copy price: $50.00

Obtain an electronic copy from: standards@scte.org

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

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

TAPPI (Technical Association of the Pulp and Paper Industry)

New Standard

BSR/TAPPI T 452 om-201x, Brightness of pulp, paper, and paperboard (directional reflectance at 457 nm) (new standard)

This method is for the determination of the brightness of white, near-white, and naturally colored pulp, paper, and paperboard. Brightness is a commonly used industry term for the numerical value of the reflectance factor of a sample with respect to blue light of specific spectral and geometric characteristics. This method requires an instrument employing 45° illumination and 0° viewing geometry with the illuminating and viewing beams adjusted so that translucent materials are evaluated on an arbitrary but specific scale. The cone of light used by this method is wider than that specified for the CIE Standard 45/0 geometry

Single copy price: Free

Obtain an electronic copy from: standards@tappi.org

Order from: Laurence Womack, (770) 209-7276, standards@tappi.org

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

TAPPI (Technical Association of the Pulp and Paper Industry)

New Standard

BSR/TAPPI T 579 om-201x, Diffuse brightness of paper, paperboard and pulp (d/0) (ultraviolet level D65) (new standard)

This method determines the brightness of white, near-white, and naturally colored pulp, paper, and paperboard. Brightness is a commonly used industry term for the numerical value of the reflectance factor of a sample with respect to blue light of specific spectral and geometric characteristics. This method requires an instrument employing diffuse illumination and 0^{o} viewing geometry

Single copy price: Free

Obtain an electronic copy from: standards@tappi.org

Order from: Laurence Womack, (770) 209-7276, standards@tappi.org

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

UL (Underwriters Laboratories, Inc.)

New Standard

BSR/UL 2799-201X, Standard for Waste Minimization Reporting and Assessment of Zero Waste Operations (new standard)

This proposed first edition of the Standard for Waste Minimization Reporting and Assessment of Zero Waste Operations, UL 2799, provides a framework for the evaluation and verification of the landfill diversion rate for entities that reduce the amount of discarded material generated and diverting remaining materials from landfill and incineration. This standard addresses all materials leaving the entity under review except for finished goods and personnel. Liquid materials (e.g., oils, lubricants, paints, etc.) which could be disposed of in a landfill are generally within 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 psa@ansi.org) to: Megan Sepper, (847) 664 -3411, Megan.M.Sepper@ul.com

UL (Underwriters Laboratories, Inc.)

Reaffirmation

BSR/UL 1008S-2012 (R201x), Standard for Safety for Solid-State Transfer Switches (reaffirmation of ANSI/UL 1008S-2012)

These requirements cover solid-state automatic transfer switches intended for use in ordinary locations to provide for lighting and power only in optional stand-by systems in accordance with Article 702 of the National Electrical Code, ANSI/NFPA 70. Solid-state transfer switches are not for use as service-entrance equipment unless marked as such. These requirements cover transfer-switch equipment rated at 6000 A or less and 600 V or less. These requirements cover transfer switches together with their associated control devices including voltage-sensing relays, frequency-sensing relays, time-delay relays, and the like.

Single copy price: Contact comm2000 for pricing and delivery options

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

Order from: comm2000

Send comments (with copy to psa@ansi.org) to: Patricia Sena, (919) 549 -1636, patricia.a.sena@ul.com

UL (Underwriters Laboratories, Inc.)

Reaffirmation

BSR/UL 5085-1-2013 (R201x), Standard for Safety for Low Voltage Transformers - Part 1: General Requirements (reaffirmation of ANSI/UL 5085-1-2013)

These requirements cover the following types of transformers: (a) Air-cooled transformers and reactors for general use; (b) General-purpose autotransformers; (c) Ferroresonant transformers; (d) Class 2 and Class 3 transformers (which are evaluated in accordance with Part 3); (e) Cord-connected transformers (which are evaluated in accordance with Part 2); (f) Transformers incorporating over-current or over-temperature protective devices, transient-voltage surge protectors, or capacitors; and (g) permanently connected transformers.

Single copy price: Contact comm2000 for pricing and delivery options

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

Order from: comm2000

Send comments (with copy to psa@ansi.org) to: Megan Monsen, (847) 664 -1292, megan.monsen@ul.com

VITA (VMEbus International Trade Association (VITA))

New Standard

BSR/VITA 48.4-201x, Liquid Flow Through VPX Plug-In Module Standard (new standard)

This standard establishes the mechanical design interface control, outline, and mounting requirements for a liquid-flow-through cooled plug-in unit to ensure the mechanical intermateability of 6U VPX liquid-flow-through cooled plug-in module within associated sub-racks. The connector layout remains common with VITA 46. This plug-in module uses liquid flowing through an integral heat sink of the unit for cooling the electronic components and circuit boards. The quick disconnect coupling assemblies allow fluidic coupling to the chassis coolant manifold.

Single copy price: $25.00

Obtain an electronic copy from: admin@vita.com

Send comments (with copy to psa@ansi.org) to: admin@vita.com

Comment Deadline: January 23, 2018

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

ASME (American Society of Mechanical Engineers)

New Standard

BSR/ASME V&V 40-201x, Standard for Verification and Validation in Computational Methods for Medical Devices (new standard)

The scope of the risk-informed credibility assessment framework is physics-based computational models used for medical-device applications. This standard augments other standards which present V&V methodologies, such as ASME V&V 10 and ASME V&V 20. Additionally, this standard does not present a method for incorporating user expertise or modeler pedigree. Finally, the standard does not describe the specific V&V activities and rigor that are needed to establish credibility for a particular application and/or device. Instead, the standard presents a framework for the practitioner to make that assessment.

Single copy price: Free

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

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

Send comments (with copy to psa@ansi.org) to: Ryan Crane, (212) 591 -7004, craner@asme.org

ASME (American Society of Mechanical Engineers)

Revision

BSR/ASME B16.9-201x, Factory-Made Wrought Buttwelding Fittings (revision of ANSI/ASME B16.9-2012)

This Standard covers overall dimensions, tolerances, ratings, testing, and markings for factory-made wrought buttwelding fittings in sizes NPS 1?2 through NPS 48 (DN 15 through DN 1200).

Single copy price: Free

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

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

Send comments (with copy to psa@ansi.org) to: Jihoon Oh, (212) 591-8544, ohj@asme.org

ASME (American Society of Mechanical Engineers)

Revision

BSR/ASME B16.18-201x, Cast Copper Alloy Solder Joint Pressure Fittings (revision of ANSI/ASME B16.18-2012)

This Standard for cast-copper-alloy solder-joint pressure fittings designed for use with a copper water tube establishes requirements for pressure-temperature ratings, abbreviations for end connections, sizes, and method of designating openings of fittings, marking, material, dimensions and tolerances, and tests.

Single copy price: Free

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

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

Send comments (with copy to psa@ansi.org) to: Jihoon Oh, (212) 591-8544, ohj@asme.org

Corrections

Change in Public Review Deadline

BSR/UL 12402-5-201x

The length of the Public Review for this standard is being changed from 60 days to 45 days. The Public Review period will now end on December 11th.

Updated ANSI/AWS Designation

ANSI/AWS B5.2-2018

At the request of the SDO, the year-date of ANSI/AWS B5.2 has changed from 2017 to 2018. The correct designation of this standard is ANSI/AWS B5.2-2018.

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.

CTA (Consumer Technology Association)

Office: 1919 South Eads Street
Arlington, VA 22202

Contact: *Veronica Lancaster*

Phone: (703) 907-7697

Fax: (703) 907-4197

E-mail: vlancaster@cta.tech

BSR/CTA-2074-201x, Intensity Metrics: Physical Activity Monitoring (new standard)

BSR/CTA-2042.3-201x, Methods of Measurement for Efficiency and Standby Power of Wireless Power Systems (new standard)

ECIA (Electronic Components Industry Association)

Office: 2214 Rock Hill Road
Suite 265
Herndon, VA 20170-4212

Contact: *Laura Donohoe*

Phone: (571) 323-0294

Fax: (571) 323-0245

E-mail: ldonohoe@ecianow.org

BSR/EIA 198-1-G-201x, Ceramic Dielectric Capacitors Classes I, II, III and IV - Part I: Characteristics and Requirements (new standard)

BSR/EIA 198-3-6-F-200x, Ceramic Dielectric Capacitors Classes I,II,III and IV - Part III, Section 6, Ceramic, Axial-Leaded, Conformally Coated and Molded Types, Part III, Detail Spec Sheets (new standard)

BSR/EIA 198-3-6-F-201x, Ceramic Dielectric Capacitors Classes I, II, III, and IV - Part III: Section 6: Axial-Leaded Capacitors, Conformally Coated and Molded Types (new standard)

IES (Illuminating Engineering Society)

Office: 120 Wall St. 17th Floor
New York, NY 10005

Contact: *Patricia McGillicuddy*

Phone: (212) 248-5000

E-mail: pmcgillicuddy@ies.org

BSR/IES DG-25-18-201x, Design Guide for Hospitality Lighting (new standard)

NSF (NSF International)

Office: 789 N. Dixboro Road
Ann Arbor, MI 48105-9723

Contact: *Jason Snider*

Phone: (734) 418-6660

E-mail: jsnider@nsf.org

BSR/NSF 14-201x (i87r1), Plastics Piping System Components and Related Materials (revision of ANSI/NSF 14-2016)

BSR/NSF 350-1-201x (i7r1), Onsite residential and commercial greywater treatment systems for subsurface discharge (revision of ANSI/NSF 350-1-2012)

BSR/NSF 350-201x (i23r1), Onsite Residential and Commercial Water Reuse Treatment Systems (revision of ANSI/NSF 350-2014)

BSR/NSF 350-201x (i24r1), Onsite Residential and Commercial Water Reuse Treatment Systems (revision of ANSI/NSF 350-2014)

RESNA (Rehabilitation Engineering and Assistive Technology Societv of North America)

Office: 1560 Wilson Blvd.
Suite 850
Arlington, VA 22209-1903

Contact: *Yvonne Meding*

Phone: (703) 524-6686

Fax: (703) 524-6686

E-mail: YMeding@resna.org

BSR/RESNA ASE-2-2012 (R201x), RESNA Standard for Adaptive Sports Equipment - Volume 2: Adaptive Golf Cars (reaffirmation of ANSI/RESNA ASE-2-2012)

VITA (VMEbus International Trade Association (VITA))

Office: 929 W. Portobello Avenue
Mesa, AZ 85210

Contact: *Jing Kwok*

Phone: (602) 281-4497

E-mail: jing.kwok@vita.com

BSR/VITA 48.4-201x, Liquid Flow Through VPX Plug-In Module Standard (new standard)

Call for Members (ANS Consensus Bodies)

Call for Committee Members

ASC O1 – Safety Requirements for Woodworking Machinery

Are you interested in contributing to the development and maintenance of valuable industry safety standards? The ASC O1 is currently looking for members in the following categories:

- General Interest
- Government
- Producer
- User

If you are interested in joining the ASC O1, contact WMMA Associate Director Jennifer Miller at jennifer@wmma.org.

Final Actions on American National Standards

The standards actions listed below have been approved by the ANSI Board of Standards Review (BSR) or by an ANSI-Audited Designator, as applicable.

ADA (American Dental Association)

Revision

ANSI/ADA Standard No. 2000.1-2017, SNODENT (Systemized Nomenclature of Dentistry) (revision and redesignation of ANSI/ADA Standard No. 2000-2016): 11/16/2017

ASABE (American Society of Agricultural and Biological Engineers)

Withdrawal

ANSI/ASAE EP502-1992 (R2012), Adjusting Forage Harvester Test Data for Varying Crop Moisture (withdrawal of ANSI/ASAE EP502 -1992 (R2012)): 11/16/2017

ASME (American Society of Mechanical Engineers)

New Standard

ANSI/ASME B31P-2017, Standard Heat Treatment for Fabrication Processes (new standard): 11/15/2017

Reaffirmation

ANSI/ASME B16.33-2012 (R2017), Manually Operated Metallic Gas Valves for Use in Gas Piping Systems up to 125 PSI (sizes NPS 1/2 through NPS 2) (reaffirmation of ANSI/ASME B16.33-2012): 11/17/2017

ANSI/ASME B16.38-2012 (R2017), Large Metallic Valves for Gas Distribution (Manually Operated, NPS - 2-1/2, 125 psig Maximum) (reaffirmation of ANSI/ASME B16.38-2012): 11/17/2017

ANSI/ASME B16.44-2012 (R2017), Manually Operated Metallic Gas Valves for Use in Aboveground Piping System (reaffirmation of ANSI/ASME B16.44-2012): 11/17/2017

Revision

ANSI/ASME HST-1-2017, Performance Standard for Electric Chain Hoists (revision of ANSI/ASME HST-1-2012): 11/17/2017

ASTM (ASTM International)

Revision

ANSI/ASTM D6299-2017a, Practice for Applying Statistical Quality Assurance and Control Charting Techniques to Evaluate Analytical Measurement System Performance (revision of ANSI/ASTM D6299 -2017): 11/15/2017

ANSI/ASTM F2363-2017, Specification for Sewage and Graywater Flow-Through Treatment Systems (revision of ANSI/ASTM F2363 -2012): 11/15/2017

ATIS (Alliance for Telecommunications Industry Solutions)

Revision

ANSI/ATIS 0600004-2017, Equipment Surface Temperature (revision of ANSI/ATIS 0600004-2006 (R2011)): 11/17/2017

AWC (American Wood Council)

Revision

ANSI/AWC NDS-2018, National Design Specification® for Wood Construction (revision of ANSI/AWC NDS-2015): 11/16/2017

AWWA (American Water Works Association)

Revision

ANSI/AWWA B303-2017, Sodium Chlorite (revision, redesignation and consolidation of ANSI/AWWA B303-2010, ANSI/AWWA B303a -2013): 11/20/2017

ECIA (Electronic Components Industry Association)

New Standard

ANSI/EIA 364-117-2017, Dielectric Breakdown Voltage Test Procedure for Electrical Connectors, Sockets and Coaxial Contacts (new standard): 11/20/2017

Revision

ANSI/EIA 364-10G-2017, Fluid Immersion Test Procedure for Electrical Connectors (revision and redesignation of ANSI/EIA 364 -10F-2014): 11/20/2017

ANSI/EIA 364-83A-2017, Shell-to-Shell Conductivity Test Procedure for Electrical Connectors (revision and redesignation of ANSI/EIA 364-83-1999 (R2013)): 11/20/2017

IAPMO (ASSE Chapter) (ASSE International Chapter of IAPMO)

New Standard

* ANSI/ASSE 1011-2017, Performance Requirements for Hose Connection Backflow Preventers (new standard): 11/16/2017

IAPMO (International Association of Plumbing & Mechanical Officials)

Revision

* ANSI/IAPMO UMC 1-2018, Uniform Mechanical Code (revision of ANSI/IAPMO UMC 1-2015): 11/15/2017

* ANSI/IAPMO UMC 1-2018a, Uniform Mechanical Code (revision of ANSI/IAPMO UMC 1-2015): 11/15/2017

* ANSI/IAPMO UPC 1-2018, Uniform Plumbing Code (revision of ANSI/IAPMO UPC 1-2015): 11/15/2017

* ANSI/IAPMO UPC 1-2018a, Uniform Plumbing Code (revision of ANSI/IAPMO UPC 1-2015): 11/15/2017

ICC (International Code Council)

Revision

ANSI/ICC 400-2017, Standard on the Design and Construction of Log Structures (revision of ANSI/ICC 400-2012): 11/16/2017

IEEE (Institute of Electrical and Electronics Engineers)

New Standard

ANSI/IEEE 1896-2016, Standard for Identification of Contact Wire Used in Overhead Contact Systems (new standard): 11/15/2017

Revision

ANSI/IEEE 1652-2016, Standard for Translating Head and Torso Simulator Measurements from Eardrum to Other Acoustic Reference Points (revision of ANSI/IEEE 1652-2008): 11/15/2017

ANSI/IEEE C37.13.1-2016, Standard for Definite-Purpose Switching Devices for Use in Metal-Enclosed Low-Voltage (600 V AC and Below) Power Circuit Breaker Switchgear (revision of ANSI/IEEE C37.13.1-2006): 11/15/2017

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

Reaffirmation

INCITS/ISO/IEC 29136:2012 [R2017], Information technology - User interfaces - Accessibility of personal computer hardware (reaffirmation of INCITS/ISO/IEC 29136:2012 [2012]): 11/15/2017

MSS (Manufacturers Standardization Society)

New Standard

ANSI/MSS SP-122-2017, Plastic Industrial Ball Valves (new standard): 11/20/2017

NSF (NSF International)

Revision

ANSI/NSF 50-2017 (i116r1), Equipment for Swimming Pools, Spas, Hot Tubs and Other Recreational Water Facilities (revision of ANSI/NSF 50-2016): 11/15/2017

TIA (Telecommunications Industry Association)

Addenda

ANSI/TIA 102.AABC-D-2-2017, Trunking Control Channel Messages - Addendum 2: Vehicle Sensed Emergency (addenda to ANSI/TIA 102.AABC-D-1-2016): 11/15/2017

UL (Underwriters Laboratories, Inc.)

New National Adoption

ANSI/UL 60939-3-2017, Standard for Safety for Passive Filter Units for Electromagnetic Interference Suppression - Part 3: Passive Filter Units for Which Safety Tests are Appropriate (national adoption of IEC 60939-3 with modifications and revision of ANSI/UL 60939-3 -2016): 11/15/2017

Reaffirmation

* ANSI/UL 1803-2012 (R2017), Standard for Safety for Factory Follow-Up on Third Party Certified Portable Fire Extinguishers (reaffirmation of ANSI/UL 1803-2012): 10/24/2017

Revision

ANSI/UL 67-2017, Standard for Safety for Panelboards (revision of ANSI/UL 67-2016): 11/17/2017

ANSI/UL 558-2017a, Standard for Safety for Industrial Trucks, Internal Combustion Engine-Powered (Proposal dated 08-18-2017) (revision of ANSI/UL 558-2016): 11/20/2017

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. Use the following Public Document Library url to access PDF & EXCEL reports of approved & proposed ANS:
List of Approved and Proposed ANS

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.

ABYC (American Boat and Yacht Council)

Office: 613 Third Street, Suite 10
Annapolis, MD 21403

Contact: *Lynn Lipsey*

E-mail: llipsey@abycinc.org

* BSR/ABYC A-35-201x, LED Navigation Lights (new standard)

Stakeholders: Surveyors, consumers, insurance personnel, boat manufacturers, engine manufacturers, accessory manufacturers, government, service specialists, and trade associations.

Project Need: This standard identifies safety issues with LED Navigation Lights on boats.

This Standard applies to requirements for installation and testing of navigation lights with permanently fixed light-emitting diode (LED) assemblies.

* BSR/ABYC C-3-201x, Alcohol, Kerosene and Solidified Fuel Cooking Appliances for Marine Use (new standard)

Stakeholders: Surveyors, consumers, insurance personnel, boat manufacturers, engine manufacturers, accessory manufacturers, government, service specialists, and trade associations.

Project Need: This standard identifies safety issues with alcohol, kerosene, and solidified-fuel cooking appliances for marine use.

This standard applies to the construction and performance characteristics of alcohol, kerosene, and solidified-fuel cooking appliances for use on boats, including counter-top assemblies, insert surface assemblies, insert ovens, and ranges (surface cooking units and ovens included in the one appliance).

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

Office: 351 N. Williamson Boulevard
Daytona Beach, FL 32114

Contact: *Stacy Banker*

E-mail: bankers@apcointl.org

BSR/APCO 1.111.2-2013 (R201x), Public Safety Communications Common Disposition Codes for Data Exchange (reaffirmation and redesignation of ANSI/APCO ANS 1.111.1-2013)

Stakeholders: Public safety users, producers, and general interest groups.

Project Need: To maintain an up-to-date standard for common disposition codes for data exchange.

This document is intended to provide a list of Common Incident Disposition Codes that could be used when disparate PSAPs/authorized agencies are sharing incident information. This standard was drafted, in part, to complement the work being done for the Emergency Incident Data Document (EIDD) that will provide a NIEM-conformant data exchange standard for sharing comprehensive incident information. The standard does not require an agency to change any internal codes; it simply provides a list of common codes to which the agency can map their internal data.

ASTM (ASTM International)

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

Contact: *Corice Leonard*

Fax: (610) 834-3683

E-mail: accreditation@astm.org

BSR/ASTM WK61006-201x, New Guide for Design Guidance for Shipboard use of Lithium Based Batteries (new standard)

Stakeholders: Electrical industry.

Project Need: The purpose of this guide is to provide a standard method for the safe use of Li-Ion batteries onboard vessels. This standard does not purport to address all of the safety concerns, if any, associated with its use. It is the responsibility of the user of this standard to establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to use.

https://www.astm.org/DATABASE.CART/WORKITEMS/WK61006.htm

AWS (American Welding Society)

Office: 8669 NW 36th Street, Suite 130
Miami, FL 33166

Contact: *Jennifer Molin*

Fax: (305) 443-5951

E-mail: jmolin@aws.org

BSR/AWS D9.1M/D9.1-201x, Sheet Metal Welding Code (revision of ANSI/AWS D9.1M/D9.1-2018)

Stakeholders: Those involved in the production and qualification of nonstructural sheet metal applications such as heating, ventilating, and air conditioning systems,

Project Need: This code provides updated qualification, workmanship, and inspection requirements for both arc welding (Part A) and braze welding (Part B) as they apply to the fabrication, manufacture, and erection of nonstructural sheet metal components and systems.

This code covers the arc- and braze-welding requirements for nonstructural sheet-metal fabrications using the commonly welded metals available in sheet form. Requirements and limitations governing procedure and performance qualification are presented, and workmanship and inspection standards are supplied. The informative annexes provide useful information on materials and processes.

AWS (American Welding Society)

Office: 8669 NW 36th Street
130
Miami, FL 33166

Contact: *Rakesh Gupta*

Fax: (305) 443-5951

E-mail: gupta@aws.org

BSR/AWS A4.3-93 (R201x), Standard Methods for Determination of the Diffusible Hydrogen Content of Martensitic, Bainitic, and Ferritic Steel Weld Metal Produced by Arc Welding (reaffirmation of ANSI/AWS A4.3-93 (R2006))

Stakeholders: Welding professionals concerned about diffusible hydrogen.

Project Need: To let the welding industry know that it is still a good standard to use.

This standard prescribes a standard weld test assembly, a standard method of test specimen preparation, and two standard methods of analysis for determination of diffusible hydrogen from martensitic, bainitic, and ferritic steel weld metals. The methods of preparation are suitable for shielded-metal arc, gas-metal arc, flux-cored arc, and submerged arc welding processes. Extension of the methods of preparation to other processes, such as gas-tungsten arc or plasma arc welding, are possible.

CTA (Consumer Technology Association)

Office: 1919 South Eads Street
Arlington, VA 22202

Contact: *Veronica Lancaster*

Fax: (703) 907-4197

E-mail: vlancaster@cta.tech

* BSR/CTA-2074-201x, Intensity Metrics: Physical Activity Monitoring (new standard)

Stakeholders: Consumers, manufacturers, and retailers.

Project Need: To develop a standard that creates definitions and performance criteria for consumer technology that measures intensity of physical activity and related measures.

This standards creates definitions and performance criteria for consumer technology that measures intensity of physical activity and related measures.

ECIA (Electronic Components Industry Association)

Office: 2214 Rock Hill Road
Suite 265
Herndon, VA 20170-4212

Contact: *Laura Donohoe*

Fax: (571) 323-0245

E-mail: ldonohoe@ecianow.org

BSR/EIA 198-1-G-201x, Ceramic Dielectric Capacitors Classes I, II, III and IV - Part I: Characteristics and Requirements (new standard)

Stakeholders: Electrical, Electronics, and Telecommunications industries.

Project Need: Revise expired American National Standard.

This standard means to characterize ceramic capacitors electrically and mechanically by use of type designators. In addition, this section outlines dielectric classifications, marking specifications, and test sequences.

BSR/EIA 198-3-6-F-201x, Ceramic Dielectric Capacitors Classes I, II, III, and IV - Part III: Section 6: Axial-Leaded Capacitors, Conformally Coated and Molded Types (new standard)

Stakeholders: Electronics, Electrical and Telecommunications industries.

Project Need: Revive project that timed out.

Provides means to characterize ceramic capacitors electrically and mechanically by use of type designators.

EOS/ESD (ESD Association, Inc.)

Office: 7900 Turin Rd., Bldg. 3
Rome, NY 13440
Contact: *Christina Earl*
Fax: (315) 339-6793
E-mail: cearl@esda.org

BSR/ESD SP5.0-201x, ESD Association Standard Practice for the Protection of ESD Susceptible Items - Recommended Format for Reporting ESD Withstand Thresholds on Data Sheets (new standard)

Stakeholders: Electronics industry including telecom, consumer, medical, and industrial.

Project Need: This document is intended to provide guidance to device manufacturers in developing datasheets and to device customers in understanding datasheet entries. Standardized ESD stress test methods have been developed to evaluate the relative sensitivity of devices. Although these methods are available, the results of the testing are not always provided by the suppliers, especially charged-device model (CDM) data.

This document presents a recommended format for presenting ESD withstand threshold information in data sheets or other information publications intended for users of ESD-sensitive devices.

BSR/ESD SP5.3.4-201x, ESD Association Draft Standard Practice for Electrostatic Discharge Sensitivity Testing - Charged Device Model (CDM) Testing - Component Level - Capacitively Coupled Transmission Line Pulsing (CC-TLP) as an Alternative CDM Characterization Method (new standard)

Stakeholders: Electronics industry including telecom, consumer, medical, automotive, and industrial.

Project Need: The purpose (objective) of this standard practice document is to define a test method for a reliable, repeatable CDM-like ESD characterization.

This standard practice document establishes a procedure for testing components and microcircuits according to their susceptibility (sensitivity) to damage or degradation by exposure to a defined contact-charged device model (CDM) like electrostatic discharge (ESD). This contact-based test method can be performed on packaged devices and also on bare dies and wafers.

BSR/ESD S6.2-201x, ESD Association Standard for the Protection of Electrostatic Discharge Susceptible Items - Grounding Outside of North America (new standard)

Stakeholders: Electronics industry including telecom, consumer, medical, and industrial.

Project Need: This document specifies the parameters, materials, equipment, and test procedures necessary to choose, establish, verify, and maintain an Electrostatic Discharge (ESD) Control grounding system for use within an ESD Protected Area (EPA) for protection of ESD-susceptible items. This document also specifies the criteria for establishing ESD Bonding for protection of ESD-susceptible items in field service or other remote operations.

This document applies to bonding and grounding for the prevention of ESD in an EPA particularly. The procedures, materials, and techniques specified in this standard may not be applicable for grounding of electrical sources operating at frequencies above 400 Hz. Electrically initiated explosive devices and hazardous areas with flammable atmospheres may require additional considerations that may not be adequately covered by these requirements.

IES (Illuminating Engineering Society)

Office: 120 Wall St. 17th Floor
New York, NY 10005
Contact: *Patricia McGillicuddy*
E-mail: pmcgillicuddy@ies.org

BSR/IES DG-25-18-201x, Design Guide for Hospitality Lighting (new standard)

Stakeholders: Lighting practitioners, engineers, hospitality managers and owners, code officials.

Project Need: This Design Guide is being developed for designers, facility managers, and owners to aid in creating lighting systems for hotel applications.

Quality lighting is of the utmost importance to business travelers who work in their rooms and/or in the conference facilities. Effective, well-designed lighting will make their stay pleasurable and productive; entice them to return; and provide positive word-of-mouth references, which are excellent advertising. All these factors reinforce the brand and are critical to the success of the property.

BSR/IES TM-33-201x, Standard Format for the Electronic Transfer of Luminaire Optical Data (new standard)

Stakeholders: Lighting practitioners, manufacturers, testing labs, scientists.

Project Need: With the introduction of solid-state lighting with color-changing capabilities, there is a need to include spectral-power distributions in data representations.

This document specifies an electronic (XML-based) data format for the transfer of luminaire optical data useful for lighting design and analysis.

NACE (NACE International, The Worldwide Corrosion Authority)

Office: 15835 Park Ten Place
Houston, TX 77084
Contact: *Richard Southard*
E-mail: rick.southard@nace.org

BSR/NACE TM0108/ISO 19097-2-201x, Accelerated life test method of mixed metal oxide anodes for cathodic protection - Part 2: Application in soils and natural waters (identical national adoption of ISO 19097-2)

Stakeholders: Users and manufacturers of mixed metal oxide anodes.

Project Need: Users and manufacturers of mixed metal oxide anodes need a way to compare the durability of anodes and to evaluate whether the anodes can comply with required specifications of design life-expectancy at the rated current output.

This international standard specifies an accelerated life-test method of mixed metal oxide anodes for impressed current cathodic protection used in soil or natural waters. The accelerated life-test results can be used to compare the durability of the anodes and to evaluate whether the anodes can comply with required specifications of design life-expectancy at the rated current output.

BSR/NACE TM0294/ISO 19097-1-201x, Accelerated life test method of mixed metal oxide anodes for cathodic protection - Part 1: Application in concrete (identical national adoption of ISO 19097-1)

Stakeholders: Users and manufacturers of mixed metal oxide anodes.

Project Need: Users and manufacturers of mixed metal oxide anodes need a way to compare the durability of anodes and evaluate whether the designed life-expectancy of an anode can be achieved at the rated current output.

This international standard specifies an accelerated life-test method of mixed metal oxide anodes for impressed current cathodic protection used in concrete. The accelerated life-test results can be used to compare the durability of the anodes and to evaluate whether the anodes can comply with required specifications of design life-expectancy at the rated current output. This standard may also be applied to other anode systems that are to be used as impressed current anodes embedded in concrete with suitably modified apparatus to hold anodes of different geometry.

SCTE (Society of Cable Telecommunications Engineers)

Office: 140 Philips Road
Exton, PA 19341-1318

Contact: *Rebecca Yaletchko*

E-mail: ryaletchko@scte.org

BSR/SCTE 38-6-201x, Hybrid Fiber/Coax Outside Plant Status Monitoring - SCTE-HMS-GEN-MIB Management Information Base (MIB) Definition (revision of ANSI/SCTE 38-6-2012)

Stakeholders: Cable Telecommunication industry.

Project Need: Update to current technology.

This document provides the branch object identifiers for each of the MIBs within the SCTE HMS Tree.

American National Standards Maintained Under Continuous Maintenance

The ANSI Essential Requirements: Due Process Requirements for American National Standards provides 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)**
- **AARST (American Association of Radon Scientists and Technologists)**
- **AGA (American Gas Association)**
- **AGSC-AGRSS (Auto Glass Safety Council)**
- **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)**
- **GBI (Green Building Initiative)**
- **HL7 (Health Level Seven)**
- **IES (Illuminating Engineering Society)**
- **MHI (Material Handling Industry)**
- **NAHBRC (NAHB Research Center, Inc.)**
- **NBBPVI (National Board of Boiler and Pressure Vessel Inspectors)**
- **NCPDP (National Council for Prescription Drug Programs)**
- **NEMA (National Electrical Manufacturers Association)**
- **NISO (National Information Standards Organization)**
- **NSF (NSF International)**
- **PRCA (Professional Ropes Course Association)**
- **RESNET (Residential Energy Services Network, Inc.)**
- **SAE (SAE International)**
- **TCNA (Tile Council of North America)**
- **TIA (Telecommunications Industry Association)**
- **UL (Underwriters Laboratories, Inc.)**

To obtain additional information with regard to these standards, including contact information at the ANSI Accredited Standards Developer, please visit ANSI Online at www.ansi.org/asd, select "Standards Activities," click on "Public Review and Comment" and "American National Standards Maintained Under Continuous Maintenance." This information is also available directly at www.ansi.org/publicreview

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

ANSI-Accredited Standards Developers Contact Information

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

ABYC
American Boat and Yacht Council

613 Third Street, Suite 10
Annapolis, MD 21403
Phone: (410) 990-4460
Web: www.abycinc.org

ADA (Organization)
American Dental Association

211 East Chicago Avenue
Chicago, IL 60611-2678
Phone: (312) 587-4129
Fax: (312) 440-2529
Web: www.ada.org

APA
APA - The Engineered Wood Association

7011 South 19th Street
Tacoma, WA 98466
Phone: (253) 620-7467
Fax: (253) 565-7265
Web: www.apawood.org

APCO
Association of Public-Safety Communications Officials-International

351 N. Williamson Boulevard
Daytona Beach, FL 32114
Phone: (920) 579-1153
Web: www.apcointl.org

ASABE
American Society of Agricultural and Biological Engineers

2950 Niles Road
Saint Joseph, MI 49085
Phone: (269) 932-7015
Fax: (269) 429-3852
Web: www.asabe.org

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

1791 Tullie Circle, NE
Atlanta, GA 30329
Phone: (404) 636-8400
Fax: (404) 321-5478
Web: www.ashrae.org

ASME
American Society of Mechanical Engineers

Two Park Avenue
New York, NY 10016
Phone: (212) 591-8521
Fax: (212) 591-8501
Web: www.asme.org

ASTM
ASTM International

100 Barr Harbor Drive
West Conshohocken, PA 19428-2959
Phone: (610) 832-9744
Fax: (610) 834-3683
Web: www.astm.org

ATIS
Alliance for Telecommunications Industry Solutions

1200 G Street NW
Suite 500
Washington, DC 20005
Phone: (202) 434-8840
Web: www.atis.org

AWC
American Wood Council

222 Catoctin Circle
Suite 201
Leesburg, VA 20175
Phone: (202) 463-2770
Fax: (202) 463-2791
Web: www.awc.org

AWS
American Welding Society

8669 NW 36th Street
130
Miami, FL 33166
Phone: (305) 443-9353, x 301
Fax: (305) 443-5951
Web: www.aws.org

AWWA
American Water Works Association

6666 W. Quincy Ave.
Denver, CO 80235
Phone: (303) 347-6178
Fax: (303) 795-7603
Web: www.awwa.org

CSA
CSA Group

8501 East Pleasant Valley Rd.
Cleveland, OH 44131
Phone: (216) 524-4990 x88321
Fax: (216) 520-8979
Web: www.csa-america.org

CTA
Consumer Technology Association

1919 South Eads Street
Arlington, VA 22202
Phone: (703) 907-7697
Fax: (703) 907-4197
Web: www.cta.tech

ECIA
Electronic Components Industry Association

2214 Rock Hill Road
Suite 265
Herndon, VA 20170-4212
Phone: (571) 323-0294
Fax: (571) 323-0245
Web: www.ecianow.org

EOS/ESD
ESD Association

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

HPS (ASC N13)
Health Physics Society

1313 Dolley Madison Blvd #402
McLean, VA 22101
Phone: (703) 790-1745
Fax: (703) 790-2672
Web: www.hps.org

IAPMO
International Association of Plumbing and Mechanical Officials

4755 E. Philadelphia Street
Ontario, CA 91761
Phone: (909) 472-4203
Fax: (909) 472-4241
Web: www.iapmo.org

IAPMO (ASSE Chapter)
ASSE International Chapter of IAPMO

18927 Hickory Creek Dr Suite 220
Mokena, IL 60448
Phone: (708) 995-3017
Fax: (708) 479-6139
Web: www.asse-plumbing.org

IAPMO (Z)
International Association of Plumbing & Mechanical Officials

5001 East Philadelphia Street
Ontario, CA 91761
Phone: (909) 230-5534
Web: www.iapmort.org

ICC
International Code Council

4051 West Flossmoor Road
Country Club Hills, IL 60478-5795
Phone: (888) 422-7233
Fax: (708) 799-0320
Web: www.iccsafe.org

IEEE
Institute of Electrical and Electronics Engineers (IEEE)

445 Hoes Lane
Piscataway, NJ 08854
Phone: (732) 562-3854
Fax: (732) 796-6966
Web: www.ieee.org

IES
Illuminating Engineering Society

120 Wall St. 17th Floor
New York, NY 10005
Phone: (212) 248-5000
Web: www.ies.org

ITI (INCITS)
InterNational Committee for Information Technology Standards

1101 K Street NW
Suite 610
Washington, DC 20005-3922
Phone: (202) 626-5737
Web: www.incits.org

MSS
Manufacturers Standardization Society

127 Park Street, NE
Vienna, VA 22180-4602
Phone: (703) 281-6613
Fax: (703) 281-6671
Web: www.mss-hq.org

NACE
NACE International, The Worldwide Corrosion Authority

15835 Park Ten Place
Houston, TX 77084
Phone: (281) 228-6485
Web: www.nace.org

NFSI
National Floor Safety Institute

P.O. Box 92607
Southlake, TX 76092
Phone: (817) 749-1700
Fax: (817) 749-1702
Web: www.nfsi.org

NSF
NSF International

789 N. Dixboro Road
Ann Arbor, MI 48105-9723
Phone: (734) 418-6660
Web: www.nsf.org

RESNA
Rehabilitation Engineering and Assistive Technology Society of North America

1560 Wilson Blvd.
Suite 850
Arlington, VA 22209-1903
Phone: (703) 524-6686
Fax: (703) 524-6686
Web: www.resna.org

RESNET
Residential Energy Services Network, Inc.

4867 Patina Court
Oceanside, CA 92057
Phone: (760) 408-5860
Fax: (760) 806-9449
Web: www.resnet.us.com

SCTE
Society of Cable Telecommunications Engineers

140 Philips Road
Exton, PA 19341-1318
Phone: (484) 252-2330
Web: www.scte.org

TAPPI
Technical Association of the Pulp and Paper Industry

15 Technology Parkway South
Peachtree Corners, GA 30092
Phone: (770) 209-7276
Fax: (770) 446-6947
Web: www.tappi.org

TIA
Telecommunications Industry Association

1320 North Courthouse Road
Suite 200
Arlington, VA 22201
Phone: (703) 907-7706
Fax: (703) 907-7727
Web: www.tiaonline.org

UL
Underwriters Laboratories, Inc.

333 Pfingsten Road
Northbrook, IL 60062
Phone: (847) 664-3411
Fax: (847) 664-3411
Web: www.ul.com

VITA
VMEbus International Trade Association (VITA)

929 W. Portobello Avenue
Mesa, AZ 85210
Phone: (602) 281-4497
Web: www.vita.com

IEC Draft International Standards

This section lists proposed standards that the International Electrotechnical Commission (IEC) is considering for approval. The proposals have received substantial support within the technical committees or subcommittees that developed them and are now being circulated to 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 IEC documents should be sent to Tony Zertuche, General Secretary, USNC/IEC, at ANSI's New York offices (tzertuche@ansi.org). The final date for offering comments is listed after each draft.

Ordering Instructions

IEC Drafts can be made available by contacting ANSI's Customer Service department. Please e-mail your request for an IEC Draft to Customer Service at 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.

21A/644/CD, IEC 63115-1 ED1: Secondary cells and batteries containing alkaline or other non-acid electrolytes - Sealed nickel-metal hydride rechargeable cells and modules for use in industrial applications - Part 1: Performance, 2018/1/12

21A/645/CD, IEC 63115-2 ED1: Secondary cells and batteries containing alkaline or other non-acid electrolytes - Sealed nickel-metal hydride rechargeable cells and modules for use in industrial applications - Part 2: Safety, 2018/1/12

34A/2050/CD, IEC 63146 ED1: LED packages for general lighting - Specification data, 2018/1/12

46A/1350/FDIS, IEC 61196-1-113 ED2: Coaxial communication cables - Part 1-113: Electrical test methods - Test for attenuation constant, /2017/12/2

46A/1351/FDIS, IEC 61196-5 ED3: Coaxial communication cables - Part 5: Sectional specification for CATV trunk and distribution cables, /2017/12/2

46A/1352/FDIS, IEC 61196-6-2 ED1: Coaxial communication cables - Part 6-2: Detail specification for 75-4 type CATV drop cables, /2017/12/2

46A/1353/FDIS, IEC 61196-6-3 ED1: Coaxial communication cables - Part 6-3: Detail specification for type 75-5 CATV drop cables, /2017/12/2

46A/1354/FDIS, IEC 61196-6-4 ED1: Coaxial communication cables - Part 6-4: Detail specification for 75-7 type CATV drop cables, /2017/12/2

48B/2614/FDIS, IEC 60512-15-2 ED2: Connectors for electronic equipment - Tests and measurements - Part 15-2: Connector tests (mechanical) - Test 15b: Insert retention in housing (axial), /2017/12/2

48B/2615/FDIS, IEC 60512-8-3 ED2: Connectors for electrical and electronic equipment - Tests and measurements - Part 8-3: Static load tests (fixed connectors) - Test 8c: Robustness of actuating lever, /2017/12/2

59C/223/CDV, IEC 60675/AMD2 ED2: Amendment 2 - Household electric direct-acting room heaters - Methods for measuring performance, 018/2/9/

62B/1070/CDV, IEC 61223-3-5 ED2: Evaluation and routine testing in medical imaging departments - Part 3-5: Acceptance tests and and Constancy tests - Imaging performance of computed tomography X-ray equipment, 018/2/9/

62D/1503A/CDV, ISO 80601-2-12 ED2: Medical electrical equipment - Part 2-12: Particular requirements for the basic safety and essential performance of critical care ventilators, /2017/12/2

121A/181/CD, IEC 62026-2/AMD1 ED2: Low-voltage switchgear and controlgear - Controller-device interfaces (CDIs) - Part 2: Actuator sensor interface (AS-i), 018/2/9/

21/949/NP, PNW 21-949: Lead-Acid Batteries for Propulsion and Operation of Lightweight Vehicles and Equipment - General Requirements and Methods of Test, 018/2/9/

21/950/CD, IEC 60095-6 ED1: Lead-Acid Starter Batteries - Part 6: Batteries for Micro-Cycle Applications, 018/2/9/

69/542/NP, PNW 69-542: Road vehicles - Vehicle to grid communication interface - Part 9: Physical and data link layer conformance test for wireless communication, /2017/12/1

81/577/FDIS, IEC 62561-2 ED2: Lightning protection system components (LPSC) - Part 2: Requirements for conductors and earth electrodes, /2017/12/2

90/396/CD, IEC 61788-7 ED3: Superconductivity - Part 7: Electronic characteristic measurements - Surface resistance of superconductors at microwave frequencies, 018/2/9/

94/425/DTR, IEC TR 62246-3 ED1: Reed switches - Part 3: Reliability data for reed switch-components in typical safety applications, 2018/1/12

104/772/FDIS, IEC 60721-3-1 ED3: Classification of environmental conditions - Part 3-1: Classification of groups of environmental parameters and their severities - Storage, /2017/12/2

104/773/FDIS, IEC 60721-3-2 ED3: Classification of environmental conditions - Part 3-2: Classification of groups of environmental parameters and their severities - Transportation and Handling, /2017/12/2

111/472/NP, PNW 111-472: Determination of certain substances in electrotechnical products - Part 11: Tris(2-chloroethyl) phosphate (TCEP) in polymers and electronics by gas chromatography-mass spectrometry (GC-MS) and liquid chromatography-mass spectrometry (LC-MS), /2017/12/1

119/199/CD, IEC 62899-402-2 ED1: Printed Electronics - Part 402-2: Printability - Measurement of qualitities - Edge waviness, 018/2/9/

27/1048/CD, IEC 60519-3 ED4: Safety in installations for electroheating and electromagnetic processing - Part 3: Particular requirements for inductively coupled and resistive equipment and processing installations, 018/2/9/

35/1384/CD, IEC 62281 ED4: Safety of primary and secondary lithium cells and batteries during transport, 018/2/9/

35/1385/CD, IEC 60086-6 ED1: Primary batteries - Part 6: Guidance on environmental aspects, 018/2/9/

47/2442/CD, IEC 62373-1 ED1: Semiconductor devices - Bias-temperature stability test for metal-oxide semiconductor field-effect transistors (MOSFET) - Part 1: Fast BTI Test method, 018/2/9/

47/2443/CD, IEC 63068-1 ED1: Semiconductor devices - Non-destructive recognition criteria of defects in silicon carbide homoepitaxial wafer for power devices - Part 1: Classification of defects, 018/2/9/

47/2444/CD, IEC 63068-2 ED1: Semiconductor devices - Non-destructive recognition criteria of defects in silicon carbide homoepitaxial wafer for power devices - Part 2: Test method for defects using optical inspection, 018/2/9/

57/1941/DC, Proposed revision of IEC TR 61850-7-510:2012 ED1, Communication networks and systems for power utility automation - Part 7-510: Basic communication structure - Hydroelectric power plants - Modelling concepts and guidelines, 018/2/9/

61/5579/CD, IEC 60335-1/FRAG4 ED6: Household and similar electrical appliances - Safety - Part 1: General requirements, 018/3/9/

61/5580/CD, IEC 60335-1/FRAG1 ED6: Household and similar electrical appliances - Safety - Part 1: General requirements, 018/3/9/

61/5581/CD, IEC 60335-1/FRAG2 ED6: Household and similar electrical appliances - Safety - Part 1: General requirements, 018/3/9/

61/5582/CD, IEC 60335-1/FRAG5 ED6: Household and similar electrical appliances - Safety - Part 1: General requirements, 018/3/9/

61/5583/CD, IEC 60335-1/FRAG7 ED6: Household and similar electrical appliances - Safety - Part 1: General requirements, 018/3/9/

61/5584/CD, IEC 60335-1/FRAG8 ED6: Household and similar electrical appliances - Safety - Part 1: General requirements, 018/3/9/

72/1112/FDIS, IEC 60730-2-9/AMD1 ED4: Amendment 1: Automatic electrical controls - Part 2-9: Particular requirements for temperature sensing control, /2017/12/2

CIS/F/731/CD, CISPR 14-2/AMD1/FRAG3 ED2: Fragment 3 of Amendment 1: Electromagnetic compatibility - Requirements for household appliances, electric tools and similar apparatus - Part 2: Immunity - Product family standard, 018/2/9/

Newly Published ISO & 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. All paper copies are available from Standards resellers (http://webstore.ansi.org/faq.aspx#resellers)..

ISO Standards

AGRICULTURAL FOOD PRODUCTS (TC 34)

ISO 2292:2017, Cocoa beans - Sampling, $103.00

ISO 2451:2017, Cocoa beans - Specification and quality requirements, $138.00

CINEMATOGRAPHY (TC 36)

ISO 12222:2017, Cinematography - Manufacturer-printed, latent image identification on 16 mm, 35 mm and 65 mm motion-picture film - Specifications and dimensions, $138.00

LIGHT METALS AND THEIR ALLOYS (TC 79)

ISO 10074:2017, Anodizing of aluminium and its alloys - Specification for hard anodic oxidation coatings on aluminium and its alloys, $103.00

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

ISO 19901-2:2017, Petroleum and natural gas industries - Specific requirements for offshore structures - Part 2: Seismic design procedures and criteria, $209.00

MEDICAL DEVICES FOR INJECTIONS (TC 84)

ISO 10555-1/Amd1:2017, Intravascular catheters - Sterile and single-use catheters - Part 1: General requirements - Amendment 1, $19.00

PAINTS AND VARNISHES (TC 35)

ISO 12944-1:2017, Paints and varnishes - Corrosion protection of steel structures by protective paint systems - Part 1: General introduction, $68.00

ISO 12944-2:2017, Paints and varnishes - Corrosion protection of steel structures by protective paint systems - Part 2: Classification of environments, $68.00

ISO 12944-3:2017, Paints and varnishes - Corrosion protection of steel structures by protective paint systems - Part 3: Design considerations, $103.00

ISO 12944-4:2017, Paints and varnishes - Corrosion protection of steel structures by protective paint systems - Part 4: Types of surface and surface preparation, $138.00

ISO 12944-7:2017, Paints and varnishes - Corrosion protection of steel structures by protective paint systems - Part 7: Execution and supervision of paint work, $68.00

ISO 12944-8:2017, Paints and varnishes - Corrosion protection of steel structures by protective paint systems - Part 8: Development of specifications for new work and maintenance, $185.00

PETROLEUM PRODUCTS AND LUBRICANTS (TC 28)

ISO 2715:2017, Liquid hydrocarbons - Volumetric measurement by turbine flowmeter, $185.00

PLASTICS (TC 61)

ISO 20368:2017, Plastics - Epoxy resins - Determination of degree of crosslinking of crosslinked epoxy resins by Fourier Transform Infrared (FTIR) Spectroscopy, $68.00

REFRIGERATION (TC 86)

ISO 817/Amd1:2017, Refrigerants - Designation and safety classification - Amendment 1, $138.00

RUBBER AND RUBBER PRODUCTS (TC 45)

ISO 7781:2017, Styrene-butadiene rubber, raw - Determination of soap and organic-acid content, $68.00

SPORTS AND RECREATIONAL EQUIPMENT (TC 83)

ISO 20380:2017, Public swimming pools - Computer vision systems for the detection of drowning accidents in swimming pools - Safety requirements and test methods, $103.00

STEEL (TC 17)

ISO 3887:2017, Steels - Determination of the depth of decarburization, $103.00

TEXTILES (TC 38)

ISO 21340:2017, Test methods for fibrous activated carbon, $162.00

TRACTORS AND MACHINERY FOR AGRICULTURE AND FORESTRY (TC 23)

ISO 20383:2017, Tractors and machinery for agriculture and forestry - Speed Identification Sign (SIS), $45.00

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

ISO 11418-2/Amd1:2017, Containers and accessories for pharmaceutical preparations - Part 2: Screw-neck glass bottles for syrups - Amendment 1, $19.00

ISO 11418-3/Amd1:2017, Containers and accessories for pharmaceutical preparations - Part 3: Screw-neck glass bottles (veral) for solid and liquid dosage forms - Amendment 1, $19.00

WELDING AND ALLIED PROCESSES (TC 44)

ISO 544:2017, Welding consumables - Technical delivery conditions for filler materials and fluxes - Type of product, dimensions, tolerances and markings, $68.00

ISO Technical Reports

TRANSPORT INFORMATION AND CONTROL SYSTEMS (TC 204)

ISO/TR 21718:2017, Intelligent transport systems - Spatio-temporal data dictionary for cooperative ITS and automated driving systems, $232.00

ISO/IEC JTC 1, Information Technology

ISO/IEC 23008-11/Cor1:2017, Information technology - High efficiency coding and media delivery in heterogeneous environments - Part 11: MPEG media transport composition information - Corrigendum, FREE

ISO/IEC 21778:2017, Information technology - The JSON data interchange syntax, $45.00

ISO/IEC 22425:2017, Information technology - Telecommunications and information exchange between systems - NFC-SEC Test Methods, $162.00

ISO/IEC 11770-4:2017, Information technology - Security techniques - Key management - Part 4: Mechanisms based on weak secrets, $185.00

ISO/IEC 24709-1:2017, Information technology - Conformance testing for the biometric application programming interface (BioAPI) - Part 1: Methods and procedures, $232.00

IEC Standards

CABLES, WIRES, WAVEGUIDES, R.F. CONNECTORS, AND ACCESSORIES FOR COMMUNICATION AND SIGNALLING (TC 46)

IEC 61169-47 Ed. 2.0 b:2015, Radio-frequency connectors - Part 47: Sectional specification for radio-frequency coaxial connectors with clamp coupling, typically for use in 75 Ω cable networks (type F-Quick), $164.00

IEC 61196-1-206 Ed. 2.0 b:2017, Coaxial communication cables - Part 1-206: Environmental test methods - Climatic sequence, $23.00

MARITIME NAVIGATION AND RADIOCOMMUNICATION EQUIPMENT AND SYSTEMS (TC 80)

IEC 61097-1 Ed. 2.0 b:2007, Global maritime distress and safety system (GMDSS) - Part 1: Radar transponder - Marine search and rescue (SART) - Operational and performance requirements, methods of testing and required test results, $82.00

SURGE ARRESTERS (TC 37)

IEC 60099-8 Ed. 2.0 en:2017, Surge arresters - Part 8: Metal-oxide surge arresters with external series gap (EGLA) for overhead transmission and distribution lines of a.c. systems above 1 kV, $352.00

S+ IEC 60099-8 Ed. 2.0 en:2017 (Redline version), Surge arresters - Part 8: Metal-oxide surge arresters with external series gap (EGLA) for overhead transmission and distribution lines of a.c. systems above 1 kV, $457.00

TERMINOLOGY (TC 1)

IEC 60050-811 Ed. 2.0 b:2017, International electrotechnical vocabulary - Part 811: Electric traction, $410.00

IEC Technical Reports

OTHER

IEC/TR 63097 Ed. 1.0 en:2017, Smart grid standardization roadmap, $410.00

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 notified 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 notify proposed technical regulations that may significantly affect trade to the WTO Secretariat in Geneva, Switzerland. In turn, the Secretariat issues and makes available these notifications. The purpose of the notification requirement is to provide global trading partners with an opportunity to review and comment on the regulations before they become final.

The USA Inquiry Point for the WTO TBT Agreement is located at the National Institute of Standards and Technology (NIST) in the Standards Coordination Office (SCO). The Inquiry Point distributes the notified proposed foreign technical regulations (notifications) and makes the associated full-texts available to U.S. stakeholders via its online service, Notify U.S. Interested U.S. parties can register with Notify U.S. to receive e-mail alerts when notifications are added from countries and industry sectors of interest to them.

To register for Notify U.S., please visit http://www.nist.gov/notifyus/.

The USA WTO TBT Inquiry Point is the official channel for distributing U.S. comments to the network of WTO TBT Enquiry Points around the world. U.S. business contacts interested in commenting on the notifications are asked to review the comment guidance available on Notify U.S. at https://tsapps.nist.gov/notifyus/data/guidance/guidance.cfm prior to submitting comments.

For further information about the USA TBT Inquiry Point, please visit: https://www.nist.gov/standardsgov/what-we-do/trade-regulatory-programs/usa-wto-tbt-inquiry-point

Contact the USA TBT Inquiry Point at:(301) 975-2918; Fax: (301) 926-1559; E-mail: usatbtep@nist.gov or notifyus@nist.gov.

Information Concerning

American National Standards

Call for Members

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 of choice for information technology developers, producers and users for the creation and maintenance of formal de jure IT standards. INCITS' mission is to promote the effective use of Information and Communication Technology through standardization in a way that balances the interests of all stakeholders and increases the global competitiveness of the member organizations.

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

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, contact Jennifer Garner at jgarner@itic.org or visit http://www.incits.org/participation/membership-info for more information.

Membership in all interest categories is always welcome; however, the INCITS Executive Board seeks to broaden its membership base in the following categories:

- Service Providers
- Users
- Standards Development Organizations and Consortia
- Academic Institutions

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 AN 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 ad materially affected parties as defined in SCTE's membership rules and operating procedures. More information is available at www.scte.org or by e-mail from standards@scte.org.

ANSI Accredited Standards Developers

Reaccreditation

American Water Works Association (AWWA)

Comment Deadline: December 26, 2017

The American Water Works Association (AWWA), an ANSI member and Accredited Standards Developer, has submitted revisions to its currently accredited operating procedures for documenting consensus on AWWA-sponsored American National Standards, under which it was last reaccredited in 2016. As the current revisions appear to be substantive in nature, the reaccreditation process is initiated.

To obtain a copy of the revised procedures or to offer comments, please contact: Mr. Paul J. Olson, P.E., Sr. Manager of Standards, American Water Works Association, 6666 W. Quincy Avenue, Denver, CO 80235; phone: 303.347.6178; e-mail: polson@awwa.org. You may view/download a copy of the revisions during the public review period at the following URL: www.ansi.org/accredPR. Please submit any public comments on the revised procedures to AWWA by December 26, 2017, with a copy to the ExSC Recording Secretary in ANSI's New York Office (jthompso@ANSI.org).

Consumer Technology Association (CTA)

Comment Deadline: December 26, 2017

The Consumer Technology Association (CTA), an ANSI member and Accredited Standards Developer, has submitted revisions to its currently accredited operating procedures for documenting consensus on CTA-sponsored American National Standards, under which it was last reaccredited in 2015. As the current revisions appear to be substantive in nature, the reaccreditation process is initiated.

To obtain a copy of the revised procedures or to offer comments, please contact: Ms. Veronica Lancaster, Sr. Director, Standards Program, Consumer Technology Association, 1919 S. Eads Street, Arlington, VA 22202; phone: 703.907.7697; e-mail: vlancaster@cta.tech. You may view/download a copy of the revisions during the public review period at the following URL: www.ansi.org/accredPR. Please submit any public comments on the revised procedures to CTA by December 26, 2017, with a copy to the ExSC Recording Secretary in ANSI's New York Office (jthompso@ANSI.org).

International Organization for Standardization (ISO)

U.S. New Work Item Proposal

Specifications for the Process of Remanufacturing

Comment Deadline: December 22, 2017

ANSI has received a request from The Remanufacturing Industries Council (RIC), an ANSI member and ANSI-accredited SDO, to submit to ISO a new work item proposal for the development of an ISO standard on the subject of Specifications for the Process of Remanufacturing, with the following scope statement:

> This standard defines and provides a benchmark for the process of global remanufacturing, and establishes specifications that characterize the remanufacturing process and differentiate remanufacturing from other practices.
>
> Please note that in 2013 and in 2016, SAC (China) submitted proposals for a new ISO technical committee on remanufacturing technology which were both rejected by the ISO members, including ANSI. In the case of the SAC proposals, they focused on remanufacturing of specific technologies or products, whereas this draft ANSI proposal focuses on the remanufacturing process, which is regarded as more acceptable to RIC and its stakeholders.

Anyone wishing to review the proposal can request a copy by contacting ANSI's ISO Team (isot@ansi.org), with a submission of comments to Steve Cornish (scornish@ansi.org) by close of business on Friday, December 22, 2017.

Information Concerning

Meeting Notice and Call for Members for the New INCITS Technical Committee on Software and Systems Engineering (SSE)

Organizational Meeting – Thursday, December 7, 2017. The organizational meeting of the INCITS/Software and Systems Engineering (SSE) will be held via WebEx on Thursday, December 7, 2017 from 12:00 PM to 3:00 PM (eastern time). The agenda, related documents and instructions for joining the WebEx meeting will be distributed to organizational representatives requesting membership on the new committee. RSVPs for the meeting should be submitted to Lynn Barra (Lbarra@itic.org) as soon as possible.

The IEEE-provided notice to INCITS of their relinquishment of the JTC 1/SC 7 TAG, effective December 1, 2017. In response to the IEEE action, the INCITS Executive Board established a new Technical Committee INCITS/Software and Systems Engineering and assigned the US TAG responsibilities for JTC 1/SC 7 to this new INCITS Technical Committee.

Scope of JTC 1/SC 7 - The JTC 1/SC 7 delivers standards in the area of software and systems engineering that meet market and professional requirements. These standards converse the processes, supporting tools and supporting technologies for the engineering of software products and systems. Systems engineering, whose origin is traceable to industrial engineering, is defined as an interdisciplinary approach governing the total technical and managerial effort required to transform a set of customer needs, expectations, and constraints into a solution and to support that solution throughout its life. JTC 1/SC 7, whose scope is Software and Systems Engineering, can thus be described as a horizontal committee who produce generic standards that are technology agnostics and independent of the application domain. These standards are principally focused on process models and good practices (Methods and techniques).

The INCITS committee will operate under the ANSI-accredited procedures for the InterNational Committee for Information Technology Standards (INCITS); (see INCITS Organization, Policies and Procedures). Additional information can also be found at www.INCITS.org and http://www.incits.org/participation/membership-info.

The complete meeting notice and membership information can be found at https://standards.incits.org/apps/group_public/document.php?document_id=93122&wg_abbrev=eb .

Information Concerning

International Organization for Standardization (ISO)

Call for International (ISO) Secretariat

ISO/TC 215 – *Health informatics*

Reply Deadline: December 15, 2017

Currently, the U.S. holds a leadership position as Secretariat of ISO/TC 215 – Health informatics. ANSI has delegated the responsibility for the administration of the Secretariat for ISO/TC 215 to the American Health Information Management Association (AHIMA). AHIMA has advised ANSI of its intent to relinquish its role as delegated Secretariat for this committee.

ISO/TC 215 operates under the following scope:

> *Standardization in the field of health informatics, to facilitate the coherent and consistent capture, interchange and use of health-related data, information, and knowledge to support and enable all aspects of the health system.*

ANSI is seeking organizations in the U.S. that may be interested in assuming the role of delegated Secretariat for ISO/TC 215. Alternatively, ANSI may be assigned the responsibility for administering an ISO Secretariat. Any request that ANSI accept the direct administration of an ISO Secretariat shall demonstrate that:

1. The affected interests have made a financial commitment for not less than three years covering all defined costs incurred by ANSI associated with holding the Secretariat;
2. the affected technical sector, organizations or companies desiring that the U.S. hold the Secretariat request that ANSI perform this function;
3. the relevant U.S. TAG has been consulted with regard to ANSI's potential role as Secretariat; and
4. ANSI is able to fulfill the requirements of a Secretariat.

If no U.S. organization steps forward to assume the ISO/TC 215 Secretariat, or if there is insufficient support for ANSI to assume direct administration of this activity by Friday, December 15, 2017, then ANSI will inform the ISO Central Secretariat that the U.S. will relinquish its leadership of the committee. This will allow ISO to solicit offers from other countries interested in assuming the Secretariat role.

Information concerning the United States retaining the role of international Secretariat may be obtained by contacting ANSI's ISO Team (isot@ansi.org).

Tracking #14i87r1
© 2017 NSF International

Revision to NSF/ANSI 14-2016b
Draft 1, Issue 87 (November 2017)

NSF/ANSI 14-2016b Plastics piping system components and related materials

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5 Physical and performance requirements

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5.7 Chlorine resistance – dependent transfer listing requirements

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5.7.2 Pipe with middle polymeric layer

— five (5) data points at one hoop stress level at the highest temperature conditions as for the original data set;

— the 95% LPL shall be calculated for the original material data at these temperatures/stress conditions;

— all five (5) data points (failure times) shall meet or exceed the LPL for that condition.

NOTE — The hoop stress level shall be chosen so that there are no mixed mode failures. In the occurrence of such failures, the testing shall be repeated at a lower stress that would generate brittle failures.

Tracking #50i135r1 **Revision to NSF/ANSI 50-2016a**
 Draft 1, Issue 135 (November 2017)

NSF/ANSI Standard

Equipment for Swimming Pools, Spas, Hot Tubs and other Recreational Water Facilities

Evaluation criteria for materials, components, products, equipment and systems for use at recreational water facilities

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Annex G
(normative)

Test methods for the evaluation of flow-through chemical feeding equipment

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G.1.4 Chemical resistance test method

NOTE — The method described here is primarily intended for the testing of basic erosion-type flow-through chemical feeders. Some modification may be required when evaluating differing types of flow-through chemical feeder designs. However, the intent of the method shall be maintained when these modifications are made.

a) Install the flow-through chemical feeder in a flow loop, such that the discharge is into an open vented tank. The tank should be vented outside.

b) Fill the flow-through chemical feeder to the maximum level with the applicable chemicals, or subject feeder parts to the specified chemicals by immersion. If the chemical is a dry type, fill the feeder to the manufacturer's maximum recommended chemical level and then fill it to the maximum water level.

c) To ensure that the chemical solution is in contact with each surface that is to be exposed, the feeder should be installed below the water level in the tank.

~~d) Seal all inlet and outlet ports, with the exception of one port above the flood level to allow any generated gases to escape.~~

e) Expose the normally wetted parts to the chemical(s) for 100 d ± 6 h, by flowing water through the chemical feeder.

f) Examine the feeder weekly and check for any signs of leakage, damage, or any other noticeable changes. Once the test period has elapsed, drain and examine the feeder.

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NSF/ANSI Standard
for Wastewater Treatment Systems —

Onsite residential and commercial greywater treatment systems for subsurface discharge

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2 References

2.1 Normative references

The following documents contain provisions that, through reference in this text, constitute provisions of this Standard. At the time of publication, the indicated editions were valid. All standards are subject to revision, and parties are encouraged to investigate the possibility of applying the recent editions of the standards indicated below. The most recent published edition of the document shall be used for undated references.

ANSI/AWS D1.1/D1.1M:201~~0~~5, Structural Welding Code -Steel[1]

ANSI/AWS D1.3/D1.3M:2008, Structural Welding Code – Sheet Steel, 5th Edition, with Errata[1]

American Public Health Association (APHA), American Water Works Association (AWWA) & Water Environment Federation (WEF): Standard Methods for the Examination of Water and Wastewater, ~~21st Edition, 2005~~ 23rd edition, 2017 (hereinafter referred to as Standard Methods) [2]

NFPA 70®: National Electrical Code® (NEC®), 201~~1~~7 [3]

NSF/ANSI 350. Onsite residential and commercial water reuse treatment systems

ISO 12103-1, Road Vehicles – Test Dust for Filter Evaluation [4]

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[1] American Welding Society, 550 N.W. LeJeune Road, Miami, Florida 33126 <http://www.aws.org>.

[2] Standard Methods for the Examination of Water and Wastewater <www.standardmethods.org>.

[3] National Fire Protection Association, 1 Batterymarch Park, Quincy, MA 02269-7471 <www.nfpa.org>.

[4] International Organization for Standardization (ISO), Case postale 56, CH-1211 Geneve 20, Switzerland <www.iso.org>.

NSF/ANSI Standard For Wastewater Technology –

Onsite residential and commercial water reuse treatment systems

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8 Performance testing and evaluation

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8.1.2.1.1 Graywater challenge water: Systems treating bathing source water

Prepare the challenge water according to the following formula:

Wastewater components[1]	Amount/100 L
body wash with moisturizer	30 g
toothpaste	3 g
deodorant	2 g
shampoo	19 g
conditioner	21 g
lactic acid	3 g
secondary effluent	2 L
raw influent screened to ≤1 mm	1 L
bath cleaner	10 g
liquid hand soap	23 g
test dust[2]	10 g

[1] See Annex C for example products.

[2] See ISO 12103-1, Road Vehicles – Test Dust for Filter Evaluation. The test dust shall meet the specification of ISO 12103-1, A2 - Fine test dust. A test dust that meets these specifications is available from Powder Technology, Inc. Inc., PO Box 1464, Burnsville, MN 55337 <wwww.powdertechnologyinc.com/products/test-dust/testdust.php>.

NOTE — The amount of individual wastewater components are recommendations. If the required range for the 30-d average concentration of individual parameters are not met using the recommended volumes, then the volume of wastewater components can be adjusted to achieve the required 30-d average concentrations. All necessary adjustments to the ingredient volumes shall be reported in the final report.

8.1.2.1.2 Graywater challenge water: Systems treating laundry source water

Prepare the challenge water according to the following formula:

Wastewater components[1]	**Amount/100 L**
liquid laundry detergent (2X)	40 mL
test dust[2]	10 g
secondary effluent	2 L
raw influent screened to ≤1 mm	1 L
liquid laundry fabric softener	21 mL
Na_2SO_4	4 g
$NaHCO_3$	2 g
Na_2PO_4	4 g

[1] See Annex C for example products.

[2] See ISO 12103-1, Road Vehicles – Test Dust for Filter Evaluation. The test dust shall meet the specification of ISO 12103-1, A2 - Fine test dust. A test dust that meets these specifications is available from Powder Technology, Inc., P.O. Box 1464, Burnsville, MN 55337. <www.powdertechnologyinc.com/products/test-dust/testdust.php>.

NOTE — The amount of individual wastewater components are recommendations. If the required range for the 30-d average concentration of individual parameters are not met using the recommended volumes, then the volume of wastewater components can be adjusted to achieve the required 30-d average concentrations. All necessary adjustments to the ingredient volumes shall be reported in the final report.

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Tracking #350r24r1 **Revision to NSF/ANSI 350-2017**
 Draft 1, Issue 24 (November 2017)

NSF/ANSI Standard
for Wastewater Treatment Systems —

Onsite residential and commercial water reuse treatment systems

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1.2 Scope

This Standard contains minimum requirements for onsite residential and commercial water treatment systems. Systems may include the following.

— graywater treatment systems having a rated treatment capacity up to 5,678 L/day (1,500 gal/day). This applies to onsite residential and commercial treatment systems that treat graywater, those that treat laundry water from residential laundry facilities, and those that treat bathing water. See 8.1 for performance testing and evaluation.

— residential wastewater treatment systems for onsite residential treatment systems that treat combined wastewater generated by the occupants of residence(s). A reuse system treating 1,514 L/day (400 gal/day) to 5,678 L/day (1,500 gal/day) shall either be demonstrated to have met the Class I requirements of NSF/ANSI 40, or must meet these requirements during concurrent testing to this Standard. A treatment system treating less than 1,514 L/day (400 gal/day) is not required to have met the Class I requirements of NSF/ANSI 40. See Section 8.2 for performance testing and evaluation.

— commercial treatment systems – this applies to onsite commercial treatment systems that treat combined commercial facility wastewater and commercial facility laundry water of any capacity, and those treatment systems that treat graywater from commercial facilities with capacities exceeding 5,678 L/day (1,500 gal/day). These systems shall be performance tested and evaluated at the location of the reuse system installation, using the wastewater generated onsite from the facility serving the treatment system. See 8.3 for performance testing and evaluation. The key elements of a field evaluation of a commercial treatment system are described in Annex A.

Management methods and end uses appropriate for the treated efflent discharged from onsite residential and commercial treatment systems meeting Class R (single family residential) or Class C (multi-family and commercial facilitiesds) requirements of this Standard include indoor restricted urban water use, such as toilet and urinal flushing, and outdoor unrestricted urban water use, such as surface irrigation. Effluent quality criteria consistent with these uses are described in 8.6, Criteria.

This Standard is intended to address public health and environmental issues. Actual performance for any site or system may vary, depending on variations in raw water supply (such as alkalinity and hardness), wastewater constituents, and patterns of use. The end use of the effluent is the responsibility of the owner, design professionals, and regulatory officials.

System components covered under other NSF or NSF/ANSI standards or criteria shall also comply with the requirements therein. This Standard shall in no way restrict new system designs, provided such designs meet the minimum specifications described herein.

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Rationale: the Residential section of the scope was unintentionally removed from the Standard after the 2012 publication. A slightly revised paragraph is proposed to return this type of system to the scope.

CHANGES TO DRAFT PDS-01

BSR/RESNET/ICC 301-2014 Addendum G-201x, Solid State Lighting

Modify the following Sections:

3.2 Definitions

Qualifying Tier II Light Fixture – A light fixture located in a Qualifying Light Fixture Location that contains lamps/light bulbs with an average luminous efficacy equal to or greater than 80 lumens/watt; an integrated solid state lighting fixture, whose light source efficacy is not measurable separately from the fixture, with a luminaire efficacy of 65 lumens/watt; ~~or~~ an outdoor light fixture that is controlled by a photocell; or an indoor fixture controlled by a motion sensor.

Qualifying Tier I Light Fixture – A light fixture located in a Qualifying Light Fixture Location that contains lamps/light bulbs with an average luminous efficacy equal to or greater than 50 lumens/watt and less than 80 lumens/watt.

Qualifying Light Fixture Locations – For the purposes of rating, those light fixtures located in kitchens, dining rooms, living rooms, family rooms/dens, bathrooms, hallways, stairways, entrances, bedrooms, garage, utility rooms, home offices, and all outdoor fixtures mounted on a building or pole. This excludes plug-in lamps, closets, unfinished basements, and landscape lighting.

Standards Action Publishing Schedule for 2018, Volume No. 49

*The "Submit End" deadline applies to forms received by Monday, 5:00 PM ET

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The last three columns display the 30, 45 & 60-DAY PR (Public Review) END dates

ISSUE	SUBMIT START	*SUBMIT END 5 PM	SA PUBLISHED	30-DAY PR END	45-DAY PR END	60-DAY PR END
1	12/19/2017	12/25/2017	Jan-5	2/4/2018	2/19/2018	3/6/2018
2	12/26/2017	1/1/2018	Jan-12	2/11/2018	2/26/2018	3/13/2018
3	1/2/2018	1/8/2018	Jan-19	2/18/2018	3/5/2018	3/20/2018
4	1/9/2018	1/15/2018	Jan-26	2/25/2018	3/12/2018	3/27/2018
5	1/16/2018	1/22/2018	Feb-2	3/4/2018	3/19/2018	4/3/2018
6	1/23/2018	1/29/2018	Feb-9	3/11/2018	3/26/2018	4/10/2018
7	1/30/2018	2/5/2018	Feb-16	3/18/2018	4/2/2018	4/17/2018
8	2/6/2018	2/12/2018	Feb-23	3/25/2018	4/9/2018	4/24/2018
9	2/13/2018	2/19/2018	Mar-2	4/1/2018	4/16/2018	5/1/2018
10	2/20/2018	2/26/2018	Mar-9	4/8/2018	4/23/2018	5/8/2018
11	2/27/2018	3/5/2018	Mar-16	4/15/2018	4/30/2018	5/15/2018
12	3/6/2018	3/12/2018	Mar-23	4/22/2018	5/7/2018	5/22/2018
13	3/13/2018	3/19/2018	Mar-30	4/29/2018	5/14/2018	5/29/2018
14	3/20/2018	3/26/2018	Apr-6	5/6/2018	5/21/2018	6/5/2018
15	3/27/2018	4/2/2018	Apr-13	5/13/2018	5/28/2018	6/12/2018
16	4/3/2018	4/9/2018	Apr-20	5/20/2018	6/4/2018	6/19/2018
17	4/10/2018	4/16/2018	Apr-27	5/27/2018	6/11/2018	6/26/2018
18	4/17/2018	4/23/2018	May-4	6/3/2018	6/18/2018	7/3/2018
19	4/24/2018	4/30/2018	May-11	6/10/2018	6/25/2018	7/10/2018
20	5/1/2018	5/7/2018	May-18	6/17/2018	7/2/2018	7/17/2018
21	5/8/2018	5/14/2018	May-25	6/24/2018	7/9/2018	7/24/2018
22	5/15/2018	5/21/2018	Jun-1	7/1/2018	7/16/2018	7/31/2018
23	5/22/2018	5/28/2018	Jun-8	7/8/2018	7/23/2018	8/7/2018
24	5/29/2018	6/4/2018	Jun-15	7/15/2018	7/30/2018	8/14/2018
25	6/5/2018	6/11/2018	Jun-22	7/22/2018	8/6/2018	8/21/2018
26	6/12/2018	6/18/2018	Jun-29	7/29/2018	8/13/2018	8/28/2018
27	6/19/2018	6/25/2018	Jul-6	8/5/2018	8/20/2018	9/4/2018
28	6/26/2018	7/2/2018	Jul-13	8/12/2018	8/27/2018	9/11/2018
29	7/3/2018	7/9/2018	Jul-20	8/19/2018	9/3/2018	9/18/2018
30	7/10/2018	7/16/2018	Jul-27	8/26/2018	9/10/2018	9/25/2018
31	7/17/2018	7/23/2018	Aug-3	9/2/2018	9/17/2018	10/2/2018

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32	7/24/2018	7/30/2018	Aug-10	9/9/2018	9/24/2018	10/9/2018
33	7/31/2018	8/6/2018	Aug-17	9/16/2018	10/1/2018	10/16/2018
34	8/7/2018	8/13/2018	Aug-24	9/23/2018	10/8/2018	10/23/2018
35	8/14/2018	8/20/2018	Aug-31	9/30/2018	10/15/2018	10/30/2018
36	8/21/2018	8/27/2018	Sep-7	10/7/2018	10/22/2018	11/6/2018
37	8/28/2018	9/3/2018	Sep-14	10/14/2018	10/29/2018	11/13/2018
38	9/4/2018	9/10/2018	Sep-21	10/21/2018	11/5/2018	11/20/2018
39	9/11/2018	9/17/2018	Sep-28	10/28/2018	11/12/2018	11/27/2018
40	9/18/2018	9/24/2018	Oct-5	11/4/2018	11/19/2018	12/4/2018
41	9/25/2018	10/1/2018	Oct-12	11/11/2018	11/26/2018	12/11/2018
42	10/2/2018	10/8/2018	Oct-19	11/18/2018	12/3/2018	12/18/2018
43	10/9/2018	10/15/2018	Oct-26	11/25/2018	12/10/2018	12/25/2018
44	10/16/2018	10/22/2018	Nov-2	12/2/2018	12/17/2018	1/1/2019
45	10/23/2018	10/29/2018	Nov-9	12/9/2018	12/24/2018	1/8/2019
46	10/30/2018	11/5/2018	Nov-16	12/16/2018	12/31/2018	1/15/2019
47	11/6/2018	11/12/2018	Nov-23	12/23/2018	1/7/2019	1/22/2019
48	11/13/2018	11/19/2018	Nov-30	12/30/2018	1/14/2019	1/29/2019
49	11/20/2018	11/26/2018	Dec-7	1/6/2019	1/21/2019	2/5/2019
50	11/27/2018	12/3/2018	Dec-14	1/13/2019	1/28/2019	2/12/2019
51	12/4/2018	12/10/2018	Dec-21	1/20/2019	2/4/2019	2/19/2019
52	12/11/2018	12/17/2018	Dec-28	1/27/2019	2/11/2019	2/26/2019