

Contents

American National Standards

Call for Comment on Standards Proposals	2
Call for Members (ANS Consensus Bodies)	8
Final Actions	10
Project Initiation Notification System (PINS)	11
ANS Maintained Under Continuous Maintenance	14
ANSI-Accredited Standards Developers Contact Information	15
Draft Revisions to ANSI's Appeals Procedures	16

International Standards

ISO and IEC Draft Standards	17
ISO and IEC Newly Published Standards	19
Proposed Foreign Government Regulations	21
Information Concerning	22

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

Comment Deadline: May 7, 2017

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

Addenda

BSR/ASHRAE Addendum 62.2a-201x, Ventilation and Acceptable Indoor Air Quality in Residential Buildings (addenda to ANSI/ASHRAE Standard 62.2 -2013)

This proposed addendum aims to place requirements on homes with unvented space heaters to limit indoor concentrations of nitrogen dioxide to no more than the EPA outdoor limit of 100 ppb, based on steady-state operation using current allowable appliance emission limits. It includes options to account for run-time control and/or published nitrogen dioxide emission rates less than the maximum allowable in appliance standards.

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

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

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

Addenda

BSR/ASHRAE Addendum 62.2b-201x, Ventilation and Acceptable Indoor Air Quality in Residential Buildings (addenda to ANSI/ASHRAE Standard 62.2 -2013)

This proposed addendum aims to modify the language regarding controls for on-demand ventilation systems to better accommodate cases where the on-demand fan is also used toward the whole-dwelling ventilation requirement.

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

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

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

Addenda

BSR/ASHRAE Addendum 62.2c-201x, Ventilation and Acceptable Indoor Air Quality in Residential Buildings (addenda to ANSI/ASHRAE Standard 62.2 -2013)

This proposed addendum aims to remove the potential for coming up with variable ventilation control strategies that could result in substantial under-ventilation.

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

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

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

Addenda

BSR/ASHRAE Addendum 62.2d-201x, Ventilation and Acceptable Indoor Air Quality in Residential Buildings (addenda to ANSI/ASHRAE Standard 62.2 -2013)

This proposed addendum aims to allow for a single-point blower door test result to be used when determining variable ventilation options.

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

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

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

Addenda

BSR/ASHRAE Addendum 62.2e-201x, Ventilation and Acceptable Indoor Air Quality in Residential Buildings (addenda to ANSI/ASHRAE Standard 62.2 -2013)

This proposed addendum aims to clean up the terminology regarding balanced ventilation and make it clear that the exhaust and supply have to run at the same time.

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

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

NSF (NSF International)

Revision

BSR/NSF 25-201x (i11r1), Vending Machines for Food and Beverages (revision of ANSI/NSF 25-2012)

This Standard contains requirements for food and beverage vending machines, including those that vend packaged food and beverages and those that vend food and beverages in bulk.

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

Send comments (with copy to psa@ansi.org) to: Allan Rose, (734) 827 -3817, arose@nsf.org

NSF (NSF International)

Revision

BSR/NSF 42-201x (i90r1), Drinking Water Treatment Units - Aesthetic Effects (revision of ANSI/NSF 42-2016)

It is the purpose of this Standard to establish minimum requirements for materials, design and construction, and performance of drinking water treatment systems that are designed to reduce specific aesthetic-related (non-health effects) contaminants in public or private water supplies. This Standard also specifies the minimum product literature and labeling information that a manufacturer shall supply to authorized representatives and system owners as well as the minimum service-related obligations that the manufacturer shall extend to system owners.

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

Send comments (with copy to psa@ansi.org) to: Monica Leslie, (734) 827 -5643, mleslie@nsf.org

UL (Underwriters Laboratories, Inc.)

New National Adoption

BSR/UL 60079-2-201X, Standard for Safety for Explosive Atmospheres - Part 2: Equipment Protection by Pressurized Enclosure "p" (Proposal dated 04-07-17) (national adoption of IEC 60079-2 with modifications and revision of ANSI/UL 60079-2-2010 (R2015))

This proposal provides revisions to the proposal document dated December 16, 2016 for the Adoption of IEC 60079-2, Explosive Atmospheres - Part 2: Equipment Protection by Pressurized Enclosure "p", (sixth edition, issued by IEC July 2014) as a new IEC-based UL standard, UL 60079-2, to the applicable requirements per comments received.

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

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

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

BSR/UL 858-201x, Standard for Safety for Household Electric Ranges (revision of ANSI/UL 858-2017)

(1) Improvements to Abnormal Operation - Coil Surface Unit Cooking Oil Ignition Test.

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

Send comments (with copy to psa@ansi.org) to: Amy Walker, (847) 664 -2023, Amy.K.Walker@ul.com

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

BSR/UL 8750-201X, Standard for Safety for Light Emitting Diode (LED) Equipment for Use in Lighting Products (revision of ANSI/UL 8750-2016)

The following changes in requirements to the Standard for Light Emitting Diode (LED) Equipment for Use in Lighting Products, UL 8750, are being proposed: (1) Expand scope of standard to include LED controllers supplied from branch circuit.

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

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

Comment Deadline: May 22, 2017**AAMI (Association for the Advancement of Medical Instrumentation)****Revision**

BSR/AAMI ST79-201x, Comprehensive guide to steam sterilization and sterility assurance in health care facilities (revision of ANSI/AAMI ST79-2010 (R2014))

This document includes guidance for sterile processing facility design, personnel, receiving, transporting, handling, cleaning, decontamination, preparation, packaging, steam sterilization of reusable medical devices, quality process improvement, and new product evaluation.

Single copy price: Free

Obtain an electronic copy from: https://standards.aami.org/kws/groups/PUBLIC_REV/documents

Order from: Amanda Benedict; abenedict@aami.org

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

ABYC (American Boat and Yacht Council)**New Standard**

BSR/ABYC S-31-201x, Environmental Consideration for Systems and Components Installed Onboard Boats (new standard)

This document is intended for the qualification of electronic systems and electronic components for use onboard boats.

Single copy price: \$50.00

Obtain an electronic copy from: www.abycinc.org

Order from: www.abycinc.org

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

ABYC (American Boat and Yacht Council)**Revision**

BSR/ABYC E-30-201x, Electrical Propulsion Systems (revision and redesignation of ANSI/ABYC TE-30-2009)

This standard is a guide for the design, construction, and installation of alternating current (AC) and direct current (DC) electrical systems on boats for the purpose of propulsion.

Single copy price: \$50.00

Obtain an electronic copy from: www.abycinc.org

Order from: www.abycinc.org

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

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

BSR/ASHRAE/ASHE Addendum 170n-201x, Ventilation of Health Care Facilities (addenda to ANSI/ASHRAE Standard 170-2013)

This proposed addendum starts the process of re-organizing the standard into three components - Hospital, Outpatient and Residential Health - to follow the FGI Guidelines and move to three separate standards. The intent is not to create any additional requirements for outpatient facilities, but to separate them from hospital requirements, and thus eliminate confusion over which requirements apply to which occupancies.

Single copy price: \$35.00

Obtain an electronic copy from: Free download at <http://www.ashrae.org/standards-research--technology/public-review-drafts>

Order from: standards.section@ashrae.org

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

ASSE (Safety) (American Society of Safety Engineers)**New Standard**

BSR/ASSE Z359.18-201X, Safety Requirements for Anchorage Connectors for Active Fall Protection Systems (new standard)

This Standard establishes requirements for the performance, design, testing, marking, and instructions for use of anchorage connectors in travel restraint, fall arrest, rescue, work position, rope access, and suspended component/tie-back line systems only.

Single copy price: \$100.00

Obtain an electronic copy from: TFisher@ASSE.org

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

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

ASSE (Safety) (American Society of Safety Engineers)**Revision**

BSR/ASSE Z359.12-201X, Connecting Components for Personal Fall Arrest Systems (revision of ANSI/ASSE Z359.12-2009)

This standard establishes requirements for the performance, design, marking, qualification, test methods, and removal from service of connectors.

Single copy price: \$100.00

Obtain an electronic copy from: TFisher@ASSE.org

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

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

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

BSR/ASTM WK55905-201x, Guide for Reporting and Recording of Near Misses for Maritime Industry (new standard)

http://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: cleonard@astm.org

Order from: accreditation@astm.org

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

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

BSR/ASTM WK56154-201x, Guide for Design, Construction and Operation of Vessels Providing Accommodation Service to Offshore Installations (new standard)

http://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: cleonard@astm.org

Order from: accreditation@astm.org

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

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

BSR/ASTM WK56289-201x, Specification for Rapid Pull Down Refrigerators (Blast Chillers), Freezers (Blast Freezers), and Combination Refrigerator/Freezer (Blast Chiller/Freezers), and Quick Chillers for Commercial Use (new standard)

http://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: cleonard@astm.org

Order from: accreditation@astm.org

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

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

BSR/ASTM F670-201x, Specification for Tanks, 5 and 10-Gal (20 and 40-L) Lube Oil Dispensing (reaffirmation of ANSI/ASTM F670-2012)

http://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: cleonard@astm.org

Order from: accreditation@astm.org

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

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

BSR/ASTM F718-201x, Specification for Shipbuilders and Marine Paints and Coatings Product/Procedure Data Sheet (reaffirmation of ANSI/ASTM F718-2007 (R2012))

http://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: cleonard@astm.org

Order from: accreditation@astm.org

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

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

BSR/ASTM F765-201x, Specification for Wildcats, Ship Anchor Chain (reaffirmation of ANSI/ASTM F765-1993 (R2012))

http://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: cleonard@astm.org

Order from: accreditation@astm.org

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

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

BSR/ASTM F885-201x, Specification for Envelope Dimensions for Bronze Globe Valves NPS 14 to 2 (reaffirmation of ANSI/ASTM F885-1984 (R2011))

http://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: cleonard@astm.org

Order from: accreditation@astm.org

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

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

BSR/ASTM F1331-201x, Practice for Installation Procedures of Vinyl Deck Coverings on Portable Plates in Electrical and Electronic Spaces (reaffirmation of ANSI/ASTM F1331-1997 (R2012))

http://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: cleonard@astm.org

Order from: accreditation@astm.org

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

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

BSR/ASTM F1455-201x, Guide for Selection of Structural Details for Ship Construction (reaffirmation of ANSI/ASTM F1455-1992 (R2011))

http://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: cleonard@astm.org

Order from: accreditation@astm.org

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

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

BSR/ASTM C714-201x, Test Method for Thermal Diffusivity of Carbon and Graphite by Thermal Pulse Method (revision of ANSI/ASTM C714-2010 (R2015))

http://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: cleonard@astm.org

Order from: accreditation@astm.org

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

ASTM (ASTM International)**Revision**

BSR/ASTM D910-201x, Specification for Leaded Aviation Gasolines (revision of ANSI/ASTM D910-2016)

http://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: cleonard@astm.org

Order from: accreditation@astm.org

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

ASTM (ASTM International)**Revision**

BSR/ASTM D1655-201x, Specification for Aviation Turbine Fuels (revision of ANSI/ASTM D1655-2015b)

http://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: cleonard@astm.org

Order from: accreditation@astm.org

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

ASTM (ASTM International)**Revision**

BSR/ASTM D2276-201x, Test Method for Particulate Contaminant in Aviation Fuel by Line Sampling (revision of ANSI/ASTM D2276-2006 (R2014))

http://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: cleonard@astm.org

Order from: accreditation@astm.org

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

ASTM (ASTM International)**Revision**

BSR/ASTM D3241-201x, Test Method for Thermal Oxidation Stability of Aviation Turbine Fuels (revision of ANSI/ASTM D3241-2016)

http://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: cleonard@astm.org

Order from: accreditation@astm.org

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

ASTM (ASTM International)**Revision**

BSR/ASTM D5452-201x, Test Method for Particulate Contamination in Aviation Fuels by Laboratory Filtration (revision of ANSI/ASTM D5452-2012)

http://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: cleonard@astm.org

Order from: accreditation@astm.org

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

ASTM (ASTM International)**Revision**

BSR/ASTM D6227-201x, Specification for Unleaded Aviation Gasoline Containing a Non-Hydrocarbon Component (revision of ANSI/ASTM D6227-2014)

http://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: cleonard@astm.org

Order from: accreditation@astm.org

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

ASTM (ASTM International)**Revision**

BSR/ASTM D6299-201x, Practice for Applying Statistical Quality Assurance and Control Charting Techniques to Evaluate Analytical Measurement System Performance (revision of ANSI/ASTM D6299-2017)

http://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: cleonard@astm.org

Order from: accreditation@astm.org

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

ASTM (ASTM International)**Revision**

BSR/ASTM D6300-201x, Practice for Determination of Precision and Bias Data for Use in Test Methods for Petroleum Products and Lubricants (revision of ANSI/ASTM D6300-2016)

http://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: cleonard@astm.org

Order from: accreditation@astm.org

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

ASTM (ASTM International)**Revision**

BSR/ASTM D6617-201x, Practice for Laboratory Bias Detection Using Single Test Result from Standard Material (revision of ANSI/ASTM D6617-2013)

http://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: cleonard@astm.org

Order from: accreditation@astm.org

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

ASTM (ASTM International)**Revision**

BSR/ASTM D6792-201x, Practice for Quality System in Petroleum Products and Lubricants Testing Laboratories (revision of ANSI/ASTM D6792-2013)

http://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: cleonard@astm.org

Order from: accreditation@astm.org

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

ASTM (ASTM International)**Revision**

BSR/ASTM D7223-201x, Specification for Aviation Certification Turbine Fuel (revision of ANSI/ASTM D7223-2016)

http://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: cleonard@astm.org

Order from: accreditation@astm.org

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

ASTM (ASTM International)**Revision**

BSR/ASTM D7547-201x, Specification for Hydrocarbon Unleaded Aviation Gasoline (revision of ANSI/ASTM D7547-2015)

http://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: cleonard@astm.org

Order from: accreditation@astm.org

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

ASTM (ASTM International)**Revision**

BSR/ASTM D7566-201x, Specification for Aviation Turbine Fuel Containing Synthesized Hydrocarbons (revision of ANSI/ASTM D7566-2016)

http://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: cleonard@astm.org

Order from: accreditation@astm.org

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

ASTM (ASTM International)**Revision**

BSR/ASTM D7797-201x, Test Method for Determination of the Fatty Acid Methyl Esters Content of Aviation Turbine Fuel Using Flow Analysis by Fourier Transform Infrared Spectroscopy - Rapid Screening Method (revision of ANSI/ASTM D7797-2016)

http://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: cleonard@astm.org

Order from: accreditation@astm.org

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

ASTM (ASTM International)**Revision**

BSR/ASTM D7826-201x, Guide for Evaluation of New Aviation Gasolines and New Aviation Gasoline Additives (revision of ANSI/ASTM D7826-2016)

http://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: cleonard@astm.org

Order from: accreditation@astm.org

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

ASTM (ASTM International)**Revision**

BSR/ASTM E18-201x, Test Methods for Rockwell Hardness of Metallic Materials (revision of ANSI/ASTM E18-2015)

http://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: cleonard@astm.org

Order from: accreditation@astm.org

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

ASTM (ASTM International)**Revision**

BSR/ASTM E23-201x, Test Methods for Notched Bar Impact Testing of Metallic Materials (revision of ANSI/ASTM E23-2016)

http://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: cleonard@astm.org

Order from: accreditation@astm.org

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

ASTM (ASTM International)**Revision**

BSR/ASTM F963-201x, Consumer Safety Specification for Toy Safety (revision of ANSI/ASTM F963-2016)

http://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: cleonard@astm.org

Order from: accreditation@astm.org

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

ASTM (ASTM International)**Revision**

BSR/ASTM F992-201x, Specification for Valve Label Plates (revision of ANSI/ASTM F992-1986 (R2011))

http://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: cleonard@astm.org

Order from: accreditation@astm.org

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

ASTM (ASTM International)**Revision**

BSR/ASTM F993-201x, Specification for Valve Locking Devices (revision of ANSI/ASTM F993-1986 (R2011))

http://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: cleonard@astm.org

Order from: accreditation@astm.org

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

ASTM (ASTM International)**Revision**

BSR/ASTM F2363-201x, Specification for Sewage and Graywater Flow Through Treatment Systems (revision of ANSI/ASTM F2363-2012)

http://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: cleonard@astm.org

Order from: accreditation@astm.org

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

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

BSR/ATIS 0600015.04-201x, Energy Efficiency for Telecommunication Equipment: Methodology for Measurement and Reporting DC Power Plant - Rectifier Requirements (revision of ANSI/ATIS 0600015.04-2016)

This document defines how to measure the Telecommunication Energy Efficiency Ratio (TEER) of DC Power Plant Rectifiers. The standard also provides requirements for how equipment vendors shall respond to a TEER request based on a specific application description by making use of relevant data from internal and independent test reports.

Single copy price: \$140.00

Order from: Alexandra Blasgen, (202) 434-8840, ablasgen@atis.org

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

EOS/ESD (ESD Association, Inc.)**New Standard**

BSR/ESD SP5.1.3-201x, ESD Association Standard Practice for Electrostatic Discharge Sensitivity Testing - Human Body Model (HBM) Testing - Component Level - A Method for Randomly Selecting Pin Pairs (new standard)

The pin pair combinations randomly selected as per this standard practice can be used as an alternative to Table 2A or Table 2B combinations in ANSI/ESDA/JEDEC JS-001 for testing components and microcircuits according to their susceptibility (sensitivity) to damage or degradation by exposure to a defined human body model (HBM) electrostatic discharge (ESD).

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

Obtain an electronic copy from: cearl@esda.org

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

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

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

BSR/TIA 5045-201x, Numeric Identifier for Conventional Analog Operation (new standard)

This project provides a standardized numeric identifier messaging format for conventional analog subscriber units.

Single copy price: \$64.00

Obtain an electronic copy from: standards@tiaonline.org

Order from: TIA; standards@tiaonline.org

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

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

BSR/UL 1676-2013 (R201x), Standard for Conductive-Path and Discharge-Path Resistors for Use in Radio-, Video-, or Television-Type Appliances (reaffirmation of ANSI/UL 1676-2013)

Reaffirm UL 1676 as an American National Standard. UL 1676 covers discharge-path resistors that are intended to be connected between the antenna and the supply circuit of a radio-, video-, or television-type appliance. These requirements also apply to conductive-path resistors, of any rating, intended to be connected between live parts and accessible conductive parts of a radio-, video-, or television-type appliance.

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: Barbara Davis, (510) 319-4233, Barbara.J.Davis@ul.com

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

BSR/UL 4248-1-201x, Standard for Safety for Fuseholders - Part 1: General Requirements (revision of ANSI/UL 4248-1-2013)

(1) Withstand rating on supplemental fuseholders; (2) Clarification of the insulating material requirements in table 7.1 of clause 7.2; (3) Addition of 248 -17, -18, -19 to the Scope and Annex A; (4) Addition of requirements for Specific Use Fuseholders; (5) Clarification of the marked voltage rating; (6) Addition of compact wire evaluation for Canada; and (7) Addition of Ambient Temperature Correction and Allowance for Repeated Test.

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: Mitchell Gold, (847) 664-2850, Mitchell.Gold@ul.com

Notice of Withdrawn ANS by an ANSI-Accredited Standards Developer

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

PMMI (PMMI - The Association for Packaging and Processing Technologies)

PMMI B155 TR1-2007, Design guidelines for the robotic handling of filled corrugated containers with vacuum (TECHNICAL REPORT)

Correction**Incorrect Designation****ANSI/ICC A117.1-2015**

In the March 31, 2017 issue of Standards Action, the Final Action listing for ICC A117.1 included an incorrect designation. The correct designation for this standard is ANSI/ICC A117.1-2015.

Call for Members (ANS Consensus Bodies)

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

AAMI (Association for the Advancement of Medical Instrumentation)

Office: 4301 N Fairfax Drive
Suite 301
Arlington, VA 22203-1633

Contact: *Jennifer Moyer*

Phone: (703) 253-8274

Fax: (703) 276-0793

E-mail: jmoyer@aami.org

BSR/AAMI/ISO 15883-5-201x, Washer disinfectors - Part 5:
Performance requirements and test method criteria for demonstrating
cleaning efficacy (identical national adoption of ISO/CD 15883-5)

ASA (ASC S3) (Acoustical Society of America)

Office: 1305 Walt Whitman Road Suite 300
Melville, NY 11747

Contact: *Neil Stremmel*

Phone: (631) 390-0215

Fax: (631) 923-2875

E-mail: asastds@acousticalsociety.org

BSR/ASA S3.72-201x, Feedback Suppression Measurement for Hearing
Aids (new standard)

ASSE (Safety) (American Society of Safety Engineers)

Office: 520 N. Northwest Highway
Park Ridge, IL 60068

Contact: *Tim Fisher*

Phone: (847) 768-3411

Fax: (847) 296-9221

E-mail: TFisher@ASSE.org

BSR/ASSE Z359.12-201X, Connecting Components for Personal Fall
Arrest Systems (revision of ANSI/ASSE Z359.12-2009)

BSR/ASSE Z359.18-201X, Safety Requirements for Anchorage
Connectors for Active Fall Protection Systems (new standard)

ATIS (Alliance for Telecommunications Industry Solutions)

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

Contact: *Alexandra Blasgen*

Phone: (202) 434-8840

E-mail: ablasgen@atis.org

BSR/ATIS 0600015.04-201x, Energy Efficiency for Telecommunication
Equipment: Methodology for Measurement and Reporting DC Power
Plant - Rectifier Requirements (revision of ANSI/ATIS 0600015.04
-2016)

NSF (NSF International)

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

Contact: *Monica Leslie*

Phone: (734) 827-5643

Fax: (734) 827-7880

E-mail: mleslie@nsf.org

BSR/NSF 42-201x (i90r1), Drinking Water Treatment Units - Aesthetic
Effects (revision of ANSI/NSF 42-2016)

TIA (Telecommunications Industry Association)

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

Contact: *Teesha Jenkins*

Phone: (703) 907-7706

Fax: (703) 907-7727

E-mail: standards@tiaonline.org

BSR/TIA 5045-201x, Numeric Identifier for Conventional Analog
Operation (new standard)

UL (Underwriters Laboratories, Inc.)

Office: 47173 Benicia Street
Fremont, CA 94538

Contact: *Barbara Davis*

Phone: (510) 319-4233

E-mail: Barbara.J.Davis@ul.com

BSR/UL 1676-2013 (R201x), Standard for Conductive-Path and
Discharge-Path Resistors for Use in Radio-, Video-, or Television-
Type Appliances (reaffirmation of ANSI/UL 1676-2013)

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.

ASABE (American Society of Agricultural and Biological Engineers)

New National Adoption

ANSI/ASABE/ISO 3767-1:APR17, Tractors, machinery for agriculture and forestry, powered lawn and garden equipment - Symbols for operator controls and other displays - Part 1: Common symbols (identical national adoption of ISO 3767-1:2016 and revision of): 4/3/2017

ANSI/ASABE/ISO 3767-2:APR17, Tractors, machinery for agriculture and forestry, powered lawn and garden equipment - Symbols for operator controls and other displays - Part 2: Symbols for agricultural tractors and machinery (identical national adoption of ISO 3767-2:2016 and revision of ANSI/ASABE/ISO 3767-2-1991, W/Amd. 1-3 MAY2006 (R2016)): 4/3/2017

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

Addenda

ANSI/ASHRAE Standard 200b-2017, Methods of Testing Chilled Beams (addenda to ANSI/ASHRAE Standard 200-2015): 4/1/2017

New Standard

ANSI/ASHRAE Standard 172-2017, Method of Tests for Insoluble Materials in Synthetic Lubricants and HFC Refrigerant Systems (new standard): 4/1/2017

ANSI/ASHRAE/ASHE Standard 189.3P-2017, Standard for the Design, Construction and Operation of Sustainable High-Performance Health Care Facilities (new standard): 4/1/2017

Withdrawal

ANSI/ASHRAE Standard 58-1986 (R1999), Method of Testing for Rating Room Air Conditioner and Packaged Terminal Air Conditioner Heating Capacity (withdrawal of ANSI/ASHRAE Standard 58-1986 (R1999)): 4/1/2017

ECIA (Electronic Components Industry Association)

Revision

ANSI/EIA 364-87B-2017, Nanosecond Event Detection Test Procedure for Electrical Connectors, Contacts and Sockets (revision and redesignation of ANSI/EIA 364-87A-2009): 4/3/2017

HL7 (Health Level Seven)

Reaffirmation

ANSI/HL7 V3 ME DKBQ, R1-2012 (R2017), HL7 Version 3 Standard: Medication; Knowledge-Base Query, Release 1 (reaffirmation of ANSI/HL7 V3 ME DKBQ, R1-2012): 4/3/2017

MHI (Material Handling Industry)

Revision

ANSI MH27.2-2017, Enclosed Track Underhung Cranes and Monorail Systems (revision of ANSI MH27.2-2003 (R2009)): 4/3/2017

NISO (National Information Standards Organization)

Reaffirmation

ANSI/NISO Z39.43-1993 (R2017), Standard Address Number (SAN) for the Publishing Industry (reaffirmation of ANSI/NISO Z39.43-1993 (R2011)): 4/3/2017

ANSI/NISO Z39.87-2006 (R2017), Data Dictionary - Technical Metadata for Digital Still Images (reaffirmation of ANSI/NISO Z39.87-2006 (R2011)): 4/3/2017

UL (Underwriters Laboratories, Inc.)

Revision

* ANSI/UL 399-2017, Standard for Safety for Drinking Water Coolers (Proposal dated 11-4-16) (revision of ANSI/UL 399-2013): 3/30/2017

* ANSI/UL 2034-2017, Standard for Safety for Single and Multiple Station Carbon Monoxide Alarms (revision of ANSI/UL 2034-2016): 3/31/2017

* ANSI/UL 2034-2017a, Standard for Safety for Single and Multiple Station Carbon Monoxide Alarms (revision of ANSI/UL 2034-2016): 3/31/2017

ANSI/UL 2250-2017, Standard for Safety for Instrumentation Tray Cable (Proposal dated 11/4/16) (revision of ANSI/UL 2250-2009a (R2014)): 3/30/2017

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. To view information about additional standards for which a PINS has been submitted and to search approved ANS, please visit www.NSSN.org, which is a database of standards information. Note that this database is not exhaustive.

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

AAMI (Association for the Advancement of Medical Instrumentation)

Office: 4301 N Fairfax Drive
Suite 301
Arlington, VA 22203-1633

Contact: Jennifer Moyer

Fax: (703) 276-0793

E-mail: jmoyer@aami.org

BSR/AAMI/ISO 15883-5-201x, Washer disinfectors - Part 5:
Performance requirements and test method criteria for
demonstrating cleaning efficacy (identical national adoption of
ISO/CD 15883-5)

Stakeholders: Manufacturers, regulators, healthcare delivery
organizations.

Project Need: There is currently no U.S. standard to test washer-
disinfectant cleaning efficacy and this document will fill that gap.

Specifies recommended procedures and the choice of test methods
used to demonstrate the cleaning efficacy of washer-disinfectors (WD)
and their accessories intended to be used for cleaning of reusable
medical devices and other items used in medical, dental,
pharmaceutical, and veterinary practice.

APSP (Association of Pool & Spa Professionals)

Office: 2111 Eisenhower Ave.
Suite 500
Alexandria, VA 22314

Contact: Susan Hilaski

Fax: (703) 549-0493

E-mail: shilaski@apsp.org

* BSR/APSP/ICC 4-201x, Aboveground/Onground Residential
Swimming Pools (revision and redesignation of ANSI/APSP 4-2012)

Stakeholders: Manufacturers and producers of aboveground/onground
residential swimming pools.

Project Need: To perform a review based upon sound engineering
principles, research and field experience.

This standard describes certain criteria for the design, manufacturing,
testing, care, and use of aboveground/onground residential (Type-O)
non-diving swimming pools and their components.

Aboveground/onground residential (Type-O) non-diving swimming
pools are defined as pools with a shallow area water depth of 36 in.
(914 mm) minimum at the wall and a water depth of 48 in. maximum
(1219 mm) at the wall. This includes portable pools with flexible/non-
rigid or rigid side walls which achieve their structural integrity by means
of uniform shape, support frame or a combination thereof, and can be
disassembled for storage or relocation.

* BSR/APSP/ICC 5-201x, Standard for Residential Inground Swimming
Pools (revision and redesignation of ANSI/APSP 5-2012)

Stakeholders: Builders, code officials, installers, and consumers.

Project Need: To review and update the existing standard in
accordance with the latest research and field experience.

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

ASA (ASC S3) (Acoustical Society of America)

Office: 1305 Walt Whitman Road Suite 300
Melville, NY 11747

Contact: Neil Stremmel

Fax: (631) 923-2875

E-mail: asastds@acousticalsociety.org

BSR ASA S3.72-201x, Feedback Suppression Measurement for
Hearing Aids (new standard)

Stakeholders: Manufacturers, suppliers, and purchasers (including
large organizations) of hearing aids and hearing aid components; the
hearing healthcare community; and the academic, industrial and
governmental hearing aid research community.

Project Need: Current standards that specify measurement methods for
performance characteristics of hearing aids do not include any
measurement methods for feedback suppression features of these
devices. Stakeholders would benefit from a standard to benchmark the
performance of, and specify the requirements for, these features as is
done with other characteristics and features of hearing aids.

Describes method to measure performance of feedback suppression
features of hearing aids. Measurements are made using a simulated
real ear on a manikin fitted with an earmold. Standardized audiograms
are used representing an increasing degree of hearing loss. Acoustic
test stimuli are provided and measurements are performed using a
setup without reflective surfaces near manikin and another setup
simulating use of a telephone handset close to manikin ear. Maximum
acceptable gain is determined.

ASME (American Society of Mechanical Engineers)

Office: Two Park Avenue
New York, NY 10016

Contact: *Mayra Santiago*

Fax: (212) 591-8501

E-mail: ansibox@asme.org

BSR/ASME A17.6-201x, Standard for Elevator Suspension, Compensation and Governor Systems (revision of ANSI/ASME A17.6-2010)

Stakeholders: Manufacturers, equipment owners, and regulatory authorities.

Project Need: The A17.6 Standard is being reviewed and revised to incorporate updates based on best practices and lessons learned in the industry.

This Standard covers the means and members of suspension, compensation, and governor systems for elevators within the scope of ASME A17.1/CSA B44. This Standard includes the material properties, design, testing, inspection, and replacement criteria for these means. It includes the requirements for steel wire rope, aramid fiber rope, and noncircular elastomeric coated steel suspension members, and provides direction for future constructions as new technology develops.

B11 (B11 Standards, Inc.)

Office: P.O. Box 690905
Houston, TX 77269

Contact: *Chris Felinski*

E-mail: cfelinski@b11standards.org

BSR B11.0-201X, Safety of Machines (revision of ANSI B11.0-2015)

Stakeholders: Machine users, distributors, integrators, and manufacturers.

Project Need: Update to current approaches and technology.

This Type-A standard applies to new, existing, modified, or rebuilt power-driven machines, not portable by hand while working, that are used to process materials by cutting; forming; pressure; electrical or optical techniques; lamination; or a combination of these processes.

This standard specifies basic terminology, principles and a methodology for achieving safety in the design and the use of machinery. It specifies principles of risk assessment and risk reduction to help designers, integrators, and users of machinery in achieving this objective. Other industry sectors may benefit from applying this standard.

BPI (Building Performance Institute)

Office: 107 Hermes Road
Suite 110
Malta, NY 12020

Contact: *Susan Carson*

Fax: (866) 777-1274

E-mail: standards@bpi.org

* BSR/BPI 1200-S-201x, Standard Practice for Basic Analysis of Buildings (revision of ANSI/BPI 1200-S-2015)

Stakeholders: Manufacturers of materials and equipment, service providers, contractors and energy efficiency agencies concerned with home performance retrofit of existing buildings.

Project Need: Modification of manometer specification.

Defines the minimum criteria for conducting building-science-based inspections and diagnostic testing of existing detached single-family dwellings and townhouses that meet certain criteria. The building evaluation will address energy usage and limited aspects of building durability and occupant health and safety. This standard parallels ANSI/BPI 1100-T-2014 Home Energy Auditing Standard and provides specific procedures regarding how to meet the requirements detailed in ANSI/BPI 1100-T.

CSA (CSA Group)

Office: 8501 East Pleasant Valley Rd.
Cleveland, OH 44131

Contact: *Cathy Rake*

Fax: (216) 520-8979

E-mail: cathy.rake@csagroup.org

* BSR/CHMC2-201x, Test Methods for Evaluating Material Compatibility Compressed Hydrogen Applications - Polymers (new standard)

Stakeholders: Consumers, manufacturers, hydrogen gas suppliers, academia, government, certification agencies.

Project Need: Develop Standard for Safety.

This standard provides uniform test methods for evaluating material compatibility with compressed hydrogen applications.

ESTA (Entertainment Services and Technology Association)

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

Contact: *Karl Ruling*

Fax: (212) 244-1502

E-mail: standards@esta.org

BSR E1.6-3-201x, Selection and Use of Serially Manufactured Chain Hoists in the Entertainment Industry (revision of ANSI E1.6-3-2012)

Stakeholders: Powered rigging system manufacturers, designers, installers, specifiers, users, and owners.

Project Need: The standard is being opened to address outdated references, correct errors, and include new technologies.

ANSI E1.6-3 - 2012 is part of the multi-part E1.6 powered rigging standards project. It establishes minimum safety requirements for the selection and use of serially manufactured electric link chain hoists having capacity of two tons or less in the entertainment industry. This part does not address the design or maintenance of these hoists. The standard is being revised to address outdated references, correct errors, and include new technologies.

BSR E1.6-4-201x, Portable Control of Fixed-Speed Electric Chain Hoists in the Entertainment Industry (revision of ANSI E1.6-4-2013)

Stakeholders: Powered rigging system manufacturers, designers, installers, specifiers, users, and owners.

Project Need: The standard is being opened for revision to keep it in-line and current with revisions to other parts of the E1.6 suite of standards.

E1.6-4, Portable Control of Fixed-Speed Electric Chain Hoists in the Entertainment Industry, covers portable control systems for fixed-speed electric chain hoists used in the entertainment industry. This part 4 document is the final installment of the ANSI E1.6 suite of powered entertainment rigging standards as it currently exists. It is being opened for revision to address changes from other parts of the suite under revision.

HL7 (Health Level Seven)

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

Contact: Karen Van Hentenryck

Fax: (734) 677-6622

E-mail: Karenvan@HL7.org

BSR/HL7 TEMPLATES, R1-201x, HL7 Templates Standard:
Specification and Use of Reusable Information Constraint
Templates, Release 1 (new standard)

Stakeholders: Users of the Clinical Document Architecture (CDA) Release 2 and Patient Care standards, especially those using the "templated CDA" Implementation Guides, such as C-CDA, and the suppliers of software products to these users.

Project Need: With C-CDA a suite of templates is available and needing publishing in an interchange format for use, re-use, and refinement. In the past, Patient Care created specialized models (R-MIMs) on the Care Entry derived from the Clinical Statement pattern. IHE and their definitions of templates and our efforts need to be synchronized. In addition to the pure V3 approach, we need to know how FHIR profile requirements could be synchronized with templates.

This standard specifies designing, implementing, and validating templates and defines a template interchange format. It covers: specifying constraints (design principles); registration and revision of templates (versioning); relationships between templates and between templates and underlying models; registering intended uses for particular initiatives; management and governance recommendations; templates in interoperability initiatives, and communicating templates between applications.

BSR/HL7 V3 SPL, R8-201x, HL7 Version 3 Standard: Structured Product Labeling, Release 8 (revision and redesignation of ANSI/HL7 V3 SPL, R7-2016)

Stakeholders: Pharmaceutical, Regulatory Agencies, SDOs, healthcare.

Project Need: This project helps address ISO and HL7 ballot comments related to consistent IDMP standards implementation and use internationally. The ISO IDMP standards are based upon HL7 CPM. (SPL) is also referenced as the data exchange format for IDMP information exchange.

Release 8 revises earlier versions by including updated international and regional regulatory requirements for ISO IDMP. It supplements/complements R7 as it includes additional requirements currently not captured; it does not conflict with the SPL R7 publication.

UL (Underwriters Laboratories, Inc.)

Office: 333 Pfingsten Road
Northbrook, IL 60062

Contact: Ritu Madan

E-mail: ritu.madan@ul.com

* BSR/UL 4041-201X, Standard for Safety for Outdoor Furniture (new standard)

Stakeholders: Manufacturers and users of outdoor furniture.

Project Need: To obtain national recognition of a standard covering outdoor furniture.

This outline of investigation provides requirements for construction and testing of outdoor patio furniture such as tables, tables with umbrellas, chairs, lounge chairs, multi-seat products, love seats, benches, and loungers. Indoor furniture or outdoor furniture with electrical components should reference UL 962. This does not cover outdoor swings.

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)
- AAMVA (American Association of Motor Vehicle Administrators)
- AGA (American Gas Association)
- AGSC (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 (The Green Building Initiative)
- GEIA (Greenguard Environmental Institute)
- HL7 (Health Level Seven)
- IESNA (The Illuminating Engineering Society of North America)
- MHI (ASC MH10) (Material Handling Industry)
- NAHBRC (NAHB Research Center, Inc.)
- NBBPVI (National Board of Boiler and Pressure Vessel Inspectors)
- NCPDP (National Council for Prescription Drug Programs)
- NISO (National Information Standards Organization)
- NSF (NSF International)
- PRCA (Professional Ropes Course Association)
- RESNET (Residential Energy Services Network)
- 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.

AAMI

Association for the Advancement of
Medical Instrumentation
4301 N Fairfax Drive
Suite 301
Arlington, VA 22203-1633
Phone: (703) 253-8274
Fax: (703) 276-0793
Web: www.aami.org

ABYC

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

APSP

Association of Pool & Spa
Professionals
2111 Eisenhower Ave.
Suite 500
Alexandria, VA 22314
Phone: (703) 838-0083 X150
Fax: (703) 549-0493
Web: www.apsp.org

ASA (ASC S3)

Acoustical Society of America
1305 Walt Whitman Road Suite 300
Melville, NY 11747
Phone: (631) 390-0215
Fax: (631) 923-2875
Web: www.acousticalsociety.org

ASABE

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

ASHRAE

American Society of Heating,
Refrigerating and Air-Conditioning
Engineers, Inc.
1791 Tullie Circle, NE
Atlanta, GA 30329
Phone: (678) 539-1214
Fax: (678) 539-2214
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

ASSE (Safety)

American Society of Safety Engineers
520 N. Northwest Highway
Park Ridge, IL 60068
Phone: (847) 768-3411
Fax: (847) 296-9221
Web: www.asse.org

ASTM

ASTM International
100 Barr Harbor Drive
West Conshohocken, PA 19428-2959
Phone: (610) 832-9744
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

B11

B11 Standards, Inc.
P.O. Box 690905
Houston, TX 77269
Phone: (832) 446-6999

BPI

Building Performance Institute
107 Hermes Road
Suite 110
Malta, NY 12020
Phone: (877) 274-1274
Fax: (866) 777-1274
Web: www.bpi.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

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

ESTA

Entertainment Services and
Technology Association
630 Ninth Avenue
Suite 609
New York, NY 10036-3748
Phone: (212) 244-1505
Fax: (212) 244-1502
Web: www.esta.org

HL7

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

MHI

Material Handling Industry
8720 Red Oak Blvd. - Ste. 201
Suite 201
Charlotte, NC 28217
Phone: (704) 714-8755
Fax: (704) 676-1199
Web: www.mhi.org

NISO

National Information Standards
Organization
3600 Clipper Mill Road
Suite 302
Baltimore, MD 21211
Phone: (301) 654-2512
Fax: (410) 685-5278
Web: www.niso.org

NSF

NSF International
789 N. Dixboro Road
Ann Arbor, MI 48105-9723
Phone: (734) 827-3817
Fax: (734) 827-7875
Web: www.nsf.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.
12 Laboratory Drive
Research Triangle Park, NC 27709
-3995
Phone: (919) 549-1851
Web: www.ul.com

Draft Revisions to ANSI's Appeals Procedures: ANSI Appeals Board, ANSI Board of Standards Review (BSR) and ANSI Executive Standards Council (ExSC)

Comment Deadline: May 8, 2017

The proposed revisions presented in [ExSC_029_2017](#) are the next iteration of the proposed revisions announced in 2016 as ExSC_053_2016. Note that some public comments received in response to ExSC_053_2016 were accepted and incorporated by the ANSI Executive Standards Council (ExSC), while others were not.

Public comments are invited on new revisions presented in ExSC_029_2017. For reference, ExSC_029_2017 displays the proposed revisions available for public comment and ExSC_029_A_2017, which follows it, incorporates the new revisions as clean copy.

Please return comments to psa@ansi.org by May 8, 2017.



ISO & IEC Draft International Standards

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

Comments

Comments regarding ISO documents should be sent to ANSI's ISO Team (isot@ansi.org); those 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

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

ISO Standards

DENTISTRY (TC 106)

ISO/DIS 7492, Dentistry - Dental explorer - 4/20/2017, \$53.00

DIMENSIONAL AND GEOMETRICAL PRODUCT SPECIFICATIONS AND VERIFICATION (TC 213)

ISO/DIS 25178-600, Geometrical product specifications (GPS) - Surface texture: Areal - Part 600: Metrological characteristics for areal-topography measuring methods - 4/21/2017, \$82.00

ISO/DIS 25178-607, Geometrical product specifications (GPS) - Surface texture: Areal - Part 607: Nominal characteristics of non-contact (confocal microscopy) instruments - 4/23/2017, \$82.00

FERROUS METAL PIPES AND METALLIC FITTINGS (TC 5)

ISO 49/DAMd1, Malleable cast iron fittings threaded to ISO 7-1 - Amendment 1: Chemical composition of the zinc coating - Adjustment to actual requirements regarding hazardous substances - 6/24/2017, \$29.00

GEOGRAPHIC INFORMATION/GEOMATICS (TC 211)

ISO/DIS 19123-2, Geographic information - Schema for coverage geometry and functions - Part 2: Coverage implementation schema - 4/19/2017, \$98.00

IMPLANTS FOR SURGERY (TC 150)

ISO/DIS 13779-2, Implants for surgery - Hydroxyapatite - Part 2: Thermally sprayed coatings of hydroxyapatite - 4/23/2017, \$46.00

ISO/DIS 13779-3, Implants for surgery - Hydroxyapatite - Part 3: Chemical analysis and characterization of crystallinity ratio and phase purity - 4/23/2017, \$102.00

ISO/DIS 13779-4, Implants for surgery - Hydroxyapatite - Part 4: Determination of coating adhesion strength - 4/23/2017, \$40.00

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

ISO/DIS 15138, Petroleum and natural gas industries - Offshore production installations - Heating, ventilation and air-conditioning - 4/19/2017, \$175.00

NUCLEAR ENERGY (TC 85)

ISO/DIS 4037-1, Radiological protection - X and gamma reference radiation for calibrating dosimeters and doserate meters and for determining their response as a function of photon energy - Part 1: Radiation characteristics and production methods - 4/23/2017, \$125.00

ISO/DIS 4037-2, Radiological protection - X and gamma reference radiation for calibrating dosimeters and doserate meters and for determining their response as a function of photon energy - Part 2: Dosimetry for radiation protection over the energy ranges from 8 keV to 1,3 MeV and 4 MeV to 9 MeV - 4/23/2017, \$93.00

OTHER

ISO/DIS 23702-1, Leather - Organic fluorine - Part 1: Determination of non-volatile compounds by extraction method using liquid chromatography - 6/22/2017, \$67.00

PHOTOGRAPHY (TC 42)

ISO/DIS 516, Camera shutters - Timing - General definition and mechanical shutter measurements - 4/19/2017, \$71.00

PLASTICS (TC 61)

ISO/DIS 20368, Plastics - Epoxy resins - Determination of degree of crosslinking of crosslinked epoxy resins by Fourier transfer infrared (FTIR) spectroscopy - 4/23/2017, \$53.00

PLASTICS PIPES, FITTINGS AND VALVES FOR THE TRANSPORT OF FLUIDS (TC 138)

ISO/DIS 11296-4, Plastics piping systems for renovation of underground non-pressure drainage and sewerage networks - Part 4: Lining with cured-in-place pipes - 4/23/2017, \$107.00

RUBBER AND RUBBER PRODUCTS (TC 45)

ISO/DIS 7619-1, Rubber, vulcanized or thermoplastic - Determination of indentation hardness - Part 1: Durometer method (Shore hardness) - 4/20/2017, \$62.00

TIMBER STRUCTURES (TC 165)

ISO/DIS 19323, Timber structures - Joist hangers - Test methods - 3/30/2017, \$71.00

TOBACCO AND TOBACCO PRODUCTS (TC 126)

- ISO/DIS 20768, Vapour products - Routine analytical vaping machine - Definitions and standard conditions - 6/17/2017, \$46.00
- ISO/DIS 21045, Tobacco and tobacco products - Determination of ammonia - Method using ion chromatographic analysis - 4/21/2017, \$58.00

TRACTORS AND MACHINERY FOR AGRICULTURE AND FORESTRY (TC 23)

- ISO/DIS 19932-1, Equipment for crop protection - Knapsack sprayers - Part 1: Safety and environmental requirements - 4/22/2017, \$67.00
- ISO/DIS 19932-2, Equipment for crop protection - Knapsack sprayers - Part 2: Test methods - 4/22/2017, \$82.00
- ISO/DIS 19932-3, Equipment for crop protection - Knapsack sprayers - Part 3: Inspection of knapsack sprayers in use - 4/22/2017, \$46.00

ISO/IEC JTC 1, Information Technology

- ISO/IEC DIS 30140-1, Information technology - Underwater acoustic sensor network (UWASN) - Part 1: Overview and requirements - 4/2/2017, \$107.00
- ISO/IEC DIS 14543-5-11, Information technology - Home electronic systems (HES) architecture - Part 5-11: Intelligent Grouping and Resource Sharing for HES Class 2 and Class 3 - Remote user interface - 6/18/2017, \$98.00

IEC Standards

- 9/2243/CDV, IEC 62973-1 ED1: Railway applications - Batteries for auxiliary power supply systems - Part 1: General requirements, 017/5/5/
- 11/253/CD, IEC 61897 ED2: Overhead lines - Requirements and tests for Aeolian vibration dampers, 017/5/5/
- 11/254/CD, IEC 61854 ED2: Overhead lines - Requirements and tests for spacers, 017/5/5/
- 20/1709/CD, IEC 60811-501/AMD1 ED1: Amendment 1 - Electric and optical fibre cables - Test methods for non-metallic materials - Part 501: Mechanical tests - Tests for determining the mechanical properties of insulating and sheathing compounds, 017/4/7/
- 48B/2556/CD, IEC 60512-1 ED5: Connectors for electronic equipment - Tests and measurements - Part 1: General, 017/4/7/
- 48B/2559/CD, IEC 60512-23-3 ED2: Electromechanical components for electronic equipment - Basic testing procedures and measuring methods - Part 23-3: Test 23c: Shielding effectiveness of connectors and accessories, 017/5/5/
- 56/1728/CD, IEC 62960 ED1: Dependability reviews during the life cycle, 017/4/7/
- 62B/1041/NP, PNW 62B-1041: Evaluation and routine testing in medical imaging departments - Part 3-6 Acceptance and Constancy tests - Imaging performance of mammographic tomosynthesis mode of operation of mammographic x-ray equipment, 017/5/5/
- 62C/683A/CD, IEC TR 62926 ED1: Medical electrical system - Recommendations for safe integration and operation of adaptive external-beam radiotherapy system for intra-fractionally moving target volumes, 2017/3/31
- 69/495/CD, IEC 61851-23-1 ED1: Electric vehicle conductive charging system - Part 23-1: DC Charging with an automatic connection system, 017/5/5/
- 79/570/CDV, IEC 62676-5 ED1: Video surveillance systems for use in security applications - Part 5: Data specifications and image quality performance for camera devices, 017/5/5/

- 82/1252/DC, Proposed revision of IEC 62446-1:2016 Ed.1, Photovoltaic (PV) systems - Requirements for testing, documentation and maintenance - Part 1: Grid connected systems - Documentation, commissioning tests and inspection, 017/4/7/
- 82/1253/NP, PNW TS 82-1253: Photovoltaic systems - Power conditioners - Part X: Energy evaluation method, 017/5/5/
- 82/1232/CDV, IEC 62892-1 ED1: Testing of PV modules to differentiate performance in multiple climates and applications - Part 1: Requirements for testing, 017/5/5/
- 91/1419/CDV, IEC 61760-4/AMD1 ED1: Surface mounting technology - Part 4: Classification, packaging, labelling and handling of moisture sensitive devices, 017/5/5/
- 107/298/DTR, IEC TR 62396-6 ED1: Process management for avionics - Atmospheric radiation effects - Part 6: Extreme space weather and potential impact on the avionics environment and electronics, 017/4/7/



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

ISO/IEC JTC 1 Technical Reports

[ISO/IEC TR 19075-6:2017](#), Information technology - Database languages - SQL Technical Reports - Part 6: SQL support for JavaScript Object Notation (JSON), \$232.00

[ISO/IEC TR 19075-7:2017](#), Information technology - Database languages - SQL Technical Reports - Part 7: Polymorphic table functions in SQL, \$232.00

AGRICULTURAL FOOD PRODUCTS (TC 34)

[ISO 15302:2017](#), Animal and vegetable fats and oils - Determination of benzo[a]pyrene - Reverse-phase high performance liquid chromatography method, \$68.00

[ISO 12966-2:2017](#), Animal and vegetable fats and oils - Gas chromatography of fatty acid methyl esters - Part 2: Preparation of methyl esters of fatty acids, \$103.00

BANKING AND RELATED FINANCIAL SERVICES (TC 68)

[ISO 12812-1:2017](#), Core banking - Mobile financial services - Part 1: General framework, \$162.00

BASES FOR DESIGN OF STRUCTURES (TC 98)

[ISO 3010:2017](#), Bases for design of structures - Seismic actions on structures, \$209.00

[ISO 12494:2017](#), Atmospheric icing of structures, \$209.00

FACILITIES MANAGEMENT (TC 267)

[ISO 41011:2017](#), Facility management - Vocabulary, \$45.00

[ISO 41012:2017](#), Facility management - Guidance on strategic sourcing and the development of agreements, \$209.00

GAS CYLINDERS (TC 58)

[ISO 11114-4:2017](#), Transportable gas cylinders - Compatibility of cylinder and valve materials with gas contents - Part 4: Test methods for selecting steels resistant to hydrogen embrittlement, \$103.00

GLASS IN BUILDING (TC 160)

[ISO 20657:2017](#), Glass in building - Heat soaked tempered soda lime silicate safety glass, \$185.00

[ISO 16293-2:2017](#), Glass in building - Basic soda lime silicate glass products - Part 2: Float glass, \$68.00

[ISO 16293-3:2017](#), Glass in building - Basic soda lime silicate glass products - Part 3: Polished wired glass, \$68.00

IRON ORES (TC 102)

[ISO 10203:2017](#), Iron ores - Determination of calcium - Flame atomic absorption spectrometric method, \$103.00

METALLIC AND OTHER INORGANIC COATINGS (TC 107)

[ISO 14232-1:2017](#), Thermal spraying - Powders - Part 1: Characterization and technical supply conditions, \$68.00

OTHER

[IWA 19:2017](#), \$138.00

RUBBER AND RUBBER PRODUCTS (TC 45)

[ISO 11852:2017](#), Rubber - Determination of magnesium content of field natural rubber latex by titration, \$68.00

SECURITY (TC 292)

[ISO 22316:2017](#), Security and resilience - Organizational resilience - Principles and attributes, \$68.00

[ISO 22319:2017](#), Security and resilience - Community resilience - Guidelines for planning the involvement of spontaneous volunteers, \$103.00

SOLID BIOFUELS (TC 238)

[ISO 18135:2017](#), Solid Biofuels - Sampling, \$209.00

TIMBER STRUCTURES (TC 165)

[ISO 18100:2017](#), Timber structures - Finger-jointed timber - Manufacturing and production requirements, \$138.00

TRANSPORT INFORMATION AND CONTROL SYSTEMS (TC 204)

[ISO 24102-4/Amd1:2017](#), Intelligent transport systems - Communications access for land mobiles (CALM) - ITS station management - Part 4: Station-internal management communications - Amendment 1, \$19.00

VALVES (TC 153)

[ISO 5210:2017](#), Industrial valves - Multi-turn valve actuator attachments, \$103.00

[ISO 5211:2017](#), Industrial valves - Part-turn actuator attachments, \$138.00

WELDING AND ALLIED PROCESSES (TC 44)

[ISO 14343:2017](#), Welding consumables - Wire electrodes, strip electrodes, wires and rods for arc welding of stainless and heat resisting steels - Classification, \$103.00

ISO Technical Reports

PHOTOGRAPHY (TC 42)

[ISO/TR 17321-3:2017](#), Graphic technology and photography - Colour characterization of digital still cameras (DSCs) - Part 3: User controls and readouts for scene-referred imaging applications, \$45.00

ISO Technical Specifications

BANKING AND RELATED FINANCIAL SERVICES (TC 68)

[ISO/TS 12812-2:2017](#), Core banking - Mobile financial services - Part 2: Security and data protection for mobile financial services, \$209.00

[ISO/TS 12812-3:2017](#), Core banking - Mobile financial services - Part 3: Financial application lifecycle management, \$68.00

[ISO/TS 12812-4:2017](#), Core banking - Mobile financial services - Part 4: Mobile payments-to-persons, \$185.00

[ISO/TS 12812-5:2017](#), Core banking - Mobile financial services - Part 5: Mobile payments to businesses, \$209.00

HUMAN RESOURCE MANAGEMENT (TC 260)

[ISO/TS 30407:2017](#), Human resource management - Cost-Per-Hire, \$103.00

TRANSPORT INFORMATION AND CONTROL SYSTEMS (TC 204)

[ISO/TS 17429:2017](#), Intelligent transport systems - Cooperative ITS - ITS station facilities for the transfer of information between ITS stations, \$185.00

ISO/IEC JTC 1, Information Technology

[ISO/IEC 14496-3/Amd6:2017](#), Information technology - Coding of audio-visual objects - Part 3: Audio - Amendment 6: Profiles, levels and downmixing method for 22.2 channel programs, \$19.00

[ISO/IEC 38505-1:2017](#), Information technology - Governance of IT - Governance of data - Part 1: Application of ISO/IEC 38500 to the governance of data, \$138.00

[ISO/IEC/IEEE 9945/Cor2:2017](#), Information technology - Portable Operating System Interface (POSIX®) Base Specifications, Issue 7 - Corrigendum 2, FREE

[ISO/IEC TS 19568:2017](#), Programming Languages - C++ Extensions for Library Fundamentals, \$232.00

[ISO/IEC/IEEE 8802-3:2017](#), Information technology - Telecommunications and information exchange between systems - Local and metropolitan area networks - Specific requirements - Part 3: Standard for Ethernet, \$232.00

IEC Standards

ELECTRICAL EQUIPMENT IN MEDICAL PRACTICE (TC 62)

[IEC 60601-2-2 Ed. 6.0 b:2017](#), Medical electrical equipment - Part 2-2: Particular requirements for the basic safety and essential performance of high frequency surgical equipment and high frequency surgical accessories, \$375.00

[S+ IEC 60601-2-2 Ed. 6.0 en:2017 \(Redline version\)](#), Medical electrical equipment - Part 2-2: Particular requirements for the basic safety and essential performance of high frequency surgical equipment and high frequency surgical accessories, \$488.00

ELECTRICAL INSTALLATIONS OF BUILDINGS (TC 64)

[IEC 60364-7-704 Ed. 3.0 en:2017](#), Low-voltage electrical installations - Part 7-704: Requirements for special installations or locations - Construction and demolition site installations, \$82.00

ENVIRONMENTAL STANDARDIZATION FOR ELECTRICAL AND ELECTRONIC PRODUCTS AND SYSTEMS (TC 111)

[IEC 62321-8 Ed. 1.0 b:2017](#), Determination of certain substances in electrotechnical products - Part 8: Phthalates in polymers by gas chromatography-mass spectrometry (GC-MS), gas chromatography-mass spectrometry using a pyrolyzer/thermal desorption accessory (Py-TD-GC-MS), \$352.00

[IEC 62321-7-2 Ed. 1.0 b:2017](#), Determination of certain substances in electrotechnical products - Part 7-2: Hexavalent chromium - Determination of hexavalent chromium (Cr(VI)) in polymers and electronics by the colorimetric method, \$117.00

LAMPS AND RELATED EQUIPMENT (TC 34)

[IEC 60809 Amd.1 Ed. 3.0 b:2017](#), Amendment 1 - Lamps for road vehicles - Dimensional, electrical and luminous requirements, \$23.00

[IEC 60809 Ed. 3.1 b:2017](#), Lamps for road vehicles - Dimensional, electrical and luminous requirements, \$469.00

OTHER

[IEC GUIDE 118 Ed. 1.0 en:2017](#), Inclusion of energy efficiency aspects in electrotechnical publications, \$164.00

[IEC GUIDE 119 Ed. 1.0 en:2017](#), Preparation of energy efficiency publications and the use of basic energy efficiency publications and group energy efficiency publications, \$164.00

SAFETY OF HOUSEHOLD AND SIMILAR ELECTRICAL APPLIANCES (TC 61)

[IEC 60335-2-53 Amd.1 Ed. 4.0 b cor.1:2017](#), Corrigendum 1 - Amendment 1 - Household and similar electrical appliances - Safety - Part 2-53: Particular requirements for sauna heating appliances and infrared cabins, \$0.00

SEMICONDUCTOR DEVICES (TC 47)

[IEC 62830-3 Ed. 1.0 b:2017](#), Semiconductor devices - Semiconductor devices for energy harvesting and generation - Part 3: Vibration based electromagnetic energy harvesting, \$164.00

[IEC 60749-28 Ed. 1.0 en:2017](#), Semiconductor devices - Mechanical and climatic test methods - Part 28: Electrostatic discharge (ESD) sensitivity testing - Charged device model (CDM) - device level, \$281.00

IEC Technical Reports

ELECTRICAL ACCESSORIES (TC 23)

[IEC/TR 61916 Ed. 4.0 en:2017](#), Electrical accessories - Harmonization of general rules, \$235.00

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

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

CSA Group Published ANS

The American National Standard ANSI/CSA 62282-3-100-2013 was published by CSA Group under the designation ANSI/CSA FC-1:2014, Fuel cell technologies – Part 3-100: Stationary Fuel Cell Power Systems – Safety. This first edition is a (national adoption of IEC 62282-3-10 with modifications and revision of ANSI/CSA FC 1-2012). Please direct any inquiries to Cathy Rake, (216) 524-4990 x88321, cathy.rake@csagroup.org

ANSI Accredited Standards Developers

Approval of Reaccreditation

IEEE

ANSI's Executive Standards Council has approved the reaccreditation of IEEE, an ANSI Member and Accredited Standards Developer, under its recently revised IEEE-SA Standards Board Bylaws and IEEE-SA Standards Board Operating Manual (SBOM) for documenting consensus on IEEE-sponsored American National Standards, effective April 4, 2017. For additional information, please contact: Mr. David Ringle, Director, IEEE-SA Governance, IEEE, 445 Hoes Lane, Piscataway, NJ 08854-4141; phone: 732.562.3086; e-mail: d.ringle@ieee.org.

Reaccreditation

International Society of Automation (ISA)

Comment Deadline: May 8, 2017

The International Society of Automation (ISA), an ANSI member and Accredited Standards Developer (ASD), has submitted revisions to its currently accredited operating procedures for documenting consensus on ISA-sponsored American National Standards, under which it was last reaccredited in 2014. 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. Charley Robinson, Director, Standards & Technology, International Society of Automation, P.O. Box 12277, 67 T.W. Alexander Drive, Research Triangle Park, NC 27709; phone: 919.990.9213; email: crobinson@isa.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 ISA by May 8, 2017, with a copy to the ExSC Recording Secretary in ANSI's New York Office (jthompso@ANSI.org).

ANSI Accreditation Program for Greenhouse Gas Validation/Verification Bodies

Reaccreditation

RWDI Air, Inc.

In accordance with the following ISO standards: ISO 14065:2013, Greenhouse gases – Requirements for greenhouse gas validation and verification bodies for use in accreditation or other forms of recognition

RWDI Air, Inc.

Christian Reuten
#1000, 736 8th Avenue SW, Calgary, AB T2P 1H4, Canada
Phone: 403-232-6771 x6265
E-mail: Christian.Reuten@RWDI.com

On March 28, 2017, ANSI's Greenhouse Gas Validation/Verification Body Accreditation Committee granted RWDI Air, Inc. reaccreditation for the following:

Scopes:

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

01. General
02. Manufacturing
03. Power Generation
05. Mining and Mineral Production
06. Metals Production
07. Chemical Production
08. Oil and gas extraction, production and refining including petrochemicals
09. Waste

Please send your comments by May 8, 2017 to Ann Howard, Director, Environmental Accreditation Programs, American National Standards Institute, 1899 L Street, NW, 11th Floor, Washington, DC 20036, Fax: 202-293-9287 or e-mail: ahoward@ansi.org.

Meeting Notices

Green Building Initiative – GBI 01-201x Consensus Body

The 30th meeting of the Green Building Initiative - GBI 01-201x Consensus Body will be held via conference call and webinar:

Day 1: Monday April 10, 2017 from 1:00 to 4:00 PM ET

Day 2: Tuesday April 11, 2017 from 12:00 Noon to 3:00 PM ET

The purpose for these teleconferences to provide updates regarding the first and second comment periods on the Working Draft of 01-201X document and for questions/comments from the public.

The 31st meeting of the Green Building Initiative - GBI 01-201x Consensus Body will be held in-person in the Chicago area.

Day 1: May 17th from 1:00 to 6:00 PM CT

Day 2: 8:00 AM to 6:00 PM CT

Day 3: 8:00 AM to 12:00 Noon CT

The tentative agenda will be posted on the GBI webpage for the standard at: <http://www.thegbi.org/ansi>. All meetings are open to the public. Any member of the public or Subcommittee participant who would like to attend the meeting should contact the Secretariat, Maria Woodbury, preferably at least 10 days in advance of the meeting to ensure they are included in relevant communications in preparation for the meeting.

To attend, and for additional information, please contact:

Maria Woodbury
Secretariat for Green Building Initiative
207-807-8666 (direct)
Maria@thegbi.org

US TAG for ISO PC 283 Committee

The U.S. TAG (Technical Advisory Group) to ANSI for the ISO PC 283 Committee will be meeting in the Chicago area from May 23rd to the 25th to discuss the proposed ISO 45001 OHSMS. If any party should have interest in the proposed standard, they should contact Tim Fisher, (847) 768-3411, TFisher@ASSE.org as the TAG Administrator for information on attending.

Information Concerning

Call for U.S. TAG Participants

ISO/TC 135 – *Non-destructive testing* and 8 subcommittees

Please be advised that the American Society for Nondestructive Testing (ASNT), the ANSI-accredited administrator of the U.S. TAG to ISO/TC 135, is seeking participants for the U.S. TAG. All U.S. stakeholder organizations in relevant fields and industries are strongly encouraged to get involved.

ISO/TC 135 – *Non-destructive testing* operates under the following scope:

Standardization covering non-destructive testing as applied generally to constructional materials, components and assemblies, by means of:

- *glossary of terms;*
- *methods of test;*
- *performance specifications for testing equipment and ancillary apparatus.*

Excluded:

- *quality levels;*
- *specifications for electrical equipment and apparatus, which fall within the range of IEC Committees.*

ISO/TC 135 has the following active subcommittees:

- SC 2 – *Surface methods*
- SC 3 – *Ultrasonic testing*
- SC 4 – *Eddy current testing*
- SC 5 – *Radiographic testing*
- SC 6 – *Leak testing*
- SC 7 – *Personnel qualification*
- SC 8 – *Thermographic testing*
- SC 9 – *Acoustic emission testing*

Organizations requiring additional information or interesting in participating on the U.S. TAG should contact U.S. TAG Administrator James Bennett at jbennett@asnt.org or ANSI's ISO Team at isot@ansi.org.



**BSR/ASHRAE Addendum a
to ANSI/ASHRAE Standard 62.2-2016**

Public Review Draft

**Proposed Addendum a to
Standard 62.2-2016, Ventilation and
Acceptable Indoor Air Quality in
Residential Buildings**

**First Public Review (March 2017)
(Draft shows Proposed Changes to Current Standard)**

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

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

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

© 2017 ASHRAE. This draft is covered under ASHRAE copyright. Permission to reproduce or redistribute all or any part of this document must be obtained from the ASHRAE Manager of Standards, 1791 Tullie Circle, NE, Atlanta, GA 30329. Phone: 404-636-8400, Ext. 1125. Fax: 404-321-5478. E-mail: standards.section@ashrae.org.

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

BSR/ASHRAE Addendum a to ANSI/ASHRAE Standard 62.2-2016, *Ventilation and Acceptable Indoor Air Quality in Residential Buildings*
First Public Review Draft

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

FOREWORD

This proposed addendum aims to place requirements on homes with unvented space heaters to limit indoor concentrations of nitrogen dioxide to no more than the EPA outdoor limit of 100 ppb, based on steady-state operation using current allowable appliance emission limits. It includes options to account for run-time control and/or published nitrogen dioxide emission rates less than the maximum allowable in appliance standards.

[Note to Reviewers: This addendum makes proposed changes to the current standard. These changes are indicated in the text by underlining (for additions) and ~~striking through~~ (for deletions) except where the reviewer instructions specifically describe some other means of showing the changes. Only these changes to the current standard are open for review and comment at this time. Additional material is provided for context only and is not open for comment except as it relates to the proposed changes.]

Addendum a to 62.2-2013

Add a new Section 4.1.4 as shown below.

4.1.4 Unvented Combustion Room Heaters: When unvented combustion room heaters are installed in a room within a dwelling unit, additional mechanical exhaust ventilation from that room (Q_{uh}) is required as calculated using either Equation 4.Xa or Equation 4.Xb. This mechanical ventilation must be occupant controllable with a labeled switch in close proximity to the unvented appliances.

$$Q_{uh} = 1.67 \times 10^5 (E)(HC) T_{max} - 0.0133 V_{uh} \quad \text{(I-P) (4.Xa)}$$

where

Q_{uh} = additional mechanical exhaust ventilation rate required for the unvented heaters, cfm

E = NO₂ emission rate, ft³ of NO₂ per Btu of fuel combustion based on the method in ANSI Z21.11.2.^{xx} If tested data are not available, $E = 1.55 \times 10^{-7}$ ft³/Btu.

HC = total rated heating capacity of the unvented heaters, Btu/hr

V_{uh} = volume of the room containing the unvented heaters, ft³

T_{max} = the maximum fraction of each hour that the system operates. If the system is under only occupant control or thermostatic control, $T_{max} = 1$. $T_{max} < 1$ shall be achieved through the use of a run-time limiting control.

$$Q_{uh} = 1.48 \times 10^6 (E)(HC) T_{max} - 0.222 V_{uh} \quad \text{(SI) (4.Xb)}$$

where

Q_{uh} = additional mechanical exhaust ventilation rate required for the unvented heaters, L/s

BSR/ASHRAE Addendum a to ANSI/ASHRAE Standard 62.2-2016, *Ventilation and Acceptable Indoor Air Quality in Residential Buildings*
First Public Review Draft

E = NO₂ emission rate, g of NO₂ per Watt hour of fuel combustion based on the method in ANSI Z21.11.2.^{XX} If tested data are not available, $E = 2.82 \times 10^{-5}$ g/Watt hr

HC = total rated heating capacity of the unvented heaters, kW

V_{uh} = volume of the room containing the unvented heaters, m³

T_{max} = the maximum fraction of each hour that the system operates. If the system is under only occupant control or thermostatic control, $T_{max} = 1$. $T_{max} < 1$ shall be achieved through the use of a run-time limiting control.

Informative Note: The room volume, V_{uh} , is defined as the volume of the room containing the unvented heaters and excludes the volume of any adjacent rooms that can be separated with doors.

Exception: If $HC < 0.709V_{uh} + 969$, (IP) or $HC < 0.00733V_{uh} + 0.284$ (SI), then no additional mechanical ventilation is needed ($Q_{uh} = 0$).

Add a new Section 6.4.1 as shown below.

6.4.1 Unvented Combustion Room Heaters. Unvented gas-fired room heaters shall be listed to the safety standard ANSI Z21.11.2, Gas-Fired Room Heaters, Volume II, Unvented Room Heaters, 2002^{XX} edition or later, and shall comply with the input limits and venting requirements of Section 12.3.2 of NFPA 54/ANSI Z223.1, National Fuel Gas Code,⁷ or Section 501.8 of the International Fuel Gas Code.^{YY} All other unvented combustion room heaters are not allowed.

Add the following new normative references to Section 9.

XX. ANSI Z21.11.2-2002, Gas-Fired Room Heaters, Volume II, Unvented Room Heaters. CSA Group, Toronto, ON Canada.

YY. International Fuel Gas Code 2015. International Code Council, Washington, DC



**BSR/ASHRAE Addendum b
to ANSI/ASHRAE Standard 62.2-2016**

Public Review Draft

**Proposed Addendum b to
Standard 62.2-2016, Ventilation and
Acceptable Indoor Air Quality in
Residential Buildings**

**First Public Review (March 2017)
(Draft shows Proposed Changes to Current Standard)**

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

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

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

© 2017 ASHRAE. This draft is covered under ASHRAE copyright. Permission to reproduce or redistribute all or any part of this document must be obtained from the ASHRAE Manager of Standards, 1791 Tullie Circle, NE, Atlanta, GA 30329. Phone: 404-636-8400, Ext. 1125. Fax: 404-321-5478. E-mail: standards.section@ashrae.org.

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

BSR/ASHRAE Addendum b to ANSI/ASHRAE Standard 62.2-2016, *Ventilation and Acceptable Indoor Air Quality in Residential Buildings*
First Public Review Draft

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

FOREWORD

This proposed addendum aims to modify the language regarding controls for on-demand ventilation systems to better accommodate cases where the on-demand fan is also used toward the whole-dwelling ventilation requirement.

[Note to Reviewers: This addendum makes proposed changes to the current standard. These changes are indicated in the text by underlining (for additions) and ~~striketrough~~ (for deletions) except where the reviewer instructions specifically describe some other means of showing the changes. Only these changes to the current standard are open for review and comment at this time. Additional material is provided for context only and is not open for comment except as it relates to the proposed changes.]

Addendum b to 62.2-2013

Add the following new definition to Section 3.

automatic control: a control that operates without the need for manual or remote occupant intervention and operates as a function of one or more input variables or conditions, including but not limited to time, humidity, temperature, occupancy, appliance operation, and contaminant concentration.

Revise Section 5.2.1 as shown below.

5.2.1 Control and Operation. ~~A readily accessible manual ON-OFF control shall be provided for each demand-controlled mechanical exhaust system. Automatic control devices, including but not limited to the following, shall be permitted, provided they do not impede manual ON-OFF control: humidity sensors, shut-off timers, occupancy sensors, multiplespeed fans, combined switching, IAQ sensors, etc. **Exception:** For multifamily dwelling units, an automatic control device shall be permitted to override manual OFF control, provided that it does not override manual ON control.~~ Demand-controlled mechanical exhaust systems shall be provided with at least one of the following controls:

1. A readily accessible occupant-controlled ON-OFF control.
2. An automatic control that does not impede occupant ON control.



**BSR/ASHRAE Addendum c
to ANSI/ASHRAE Standard 62.2-2016**

Public Review Draft

**Proposed Addendum c to
Standard 62.2-2016, Ventilation and
Acceptable Indoor Air Quality in
Residential Buildings**

**First Public Review (March 2017)
(Draft shows Proposed Changes to Current Standard)**

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

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

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

© 2017 ASHRAE. This draft is covered under ASHRAE copyright. Permission to reproduce or redistribute all or any part of this document must be obtained from the ASHRAE Manager of Standards, 1791 Tullie Circle, NE, Atlanta, GA 30329. Phone: 404-636-8400, Ext. 1125. Fax: 404-321-5478. E-mail: standards.section@ashrae.org.

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

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

FOREWORD

This proposed addendum aims to remove the potential for coming up with variable ventilation control strategies that could result in substantial under-ventilation.

[Note to Reviewers: This addendum makes proposed changes to the current standard. These changes are indicated in the text by underlining (for additions) and ~~striking through~~ (for deletions) except where the reviewer instructions specifically describe some other means of showing the changes. Only these changes to the current standard are open for review and comment at this time. Additional material is provided for context only and is not open for comment except as it relates to the proposed changes.]

Addendum c to 62.2-2013

Revise Section 4.5 as shown below.

4.5 Variable Mechanical Ventilation. Dwelling-unit mechanical ventilation systems designed to provide variable ventilation shall comply with Section 4.5.1, 4.5.2, or 4.5.3. Sections 4.5.2 and 4.5.3 also require compliance with Normative Appendix C and require verification with supporting documentation from the manufacturer, designer, or specifier of the ventilation control system that the system meets the requirements of these sections. ~~Where the dwelling-unit ventilation rate varies based on occupancy, occupancy shall be determined by occupancy sensors or by an occupant programmable schedule.~~

4.5.1 Short-Term Average Ventilation. To comply with this section, a variable ventilation system shall be installed to provide an average dwelling-unit ventilation rate over each consecutive period of three hours or less any three hour period that is greater than or equal to Q_{fan} as calculated using Section 4.1, and shall not provide a ventilation rate of zero over any three hour interval.

4.5.2 Scheduled Ventilation. This section ~~may~~ shall only be used when one or more fixed patterns of designed ventilation are known at the time compliance to this standard is being determined. Such patterns include those both clock-driven and driven by typical meteorological data. ~~Compliance with this section can be demonstrated with either Section 4.5.2.1 or 4.5.2.2.~~

4.5.2.1 Annual Average Schedule. ~~An annual schedule of ventilation complies with this section when the annual average relative exposure during occupied periods is no more than unity one, and the peak relative exposure (R_i) shall not exceed 5 for any time step, as calculated in Normative Appendix C.~~

4.5.2.2 Block Scheduling. ~~The schedule of ventilation complies with this section if it is broken into blocks of time and each block individually has an average relative exposure during occupied periods that is no more than unity as calculated in Normative Appendix C.~~

4.5.2.2.1 Short Blocks. ~~For each block that is less than 2 days in duration but does not meet the requirements of Section 4.5.1, the procedure in Normative Appendix C shall be run multiple times. For any runs after the first run, the relative exposure at the end of the prior run shall be used as the initial condition in the current run. The block~~

BSR/ASHRAE Addendum c to ANSI/ASHRAE Standard 62.2-2016, *Ventilation and Acceptable Indoor Air Quality in Residential Buildings*
First Public Review Draft

~~complies if the average relative exposure during occupied periods in the final run is no more than unity. Blocks that are less than 18 hours in duration must be run at least 3 times. Other blocks must be run at least twice.~~

4.5.3 Real-Time Control. A real-time ventilation controller complies with this section when it is designed to adjust the ventilation system based on real-time input to the ventilation calculations so that the average relative exposure during occupied periods is no more than one unity and the peak relative exposure (R_i) shall not exceed 5 for any time step, as calculated in Normative Appendix C. The averaging period shall be ~~at least one day but~~ no more than one year and shall be based on simple, recursive or running average, but not extrapolation.

For the purposes of calculating average relative exposure, a dwelling unit is permitted to be treated as unoccupied during a time step only if it is unoccupied for the entire time step.

Delete Section C1.3 and renumber Section C1.4.

~~**C1.3 Peak Exposure Limitation.** To maintain compliance with this appendix, a ventilation system and controls shall be provided such that the relative exposure (R_i), as calculated in accordance with Section C3, shall not exceed 5 for any given time step.~~



**BSR/ASHRAE Addendum d
to ANSI/ASHRAE Standard 62.2-2016**

Public Review Draft

**Proposed Addendum d to
Standard 62.2-2016, Ventilation and
Acceptable Indoor Air Quality in
Residential Buildings**

**First Public Review (March 2017)
(Draft shows Proposed Changes to Current Standard)**

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

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

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

© 2017 ASHRAE. This draft is covered under ASHRAE copyright. Permission to reproduce or redistribute all or any part of this document must be obtained from the ASHRAE Manager of Standards, 1791 Tullie Circle, NE, Atlanta, GA 30329. Phone: 404-636-8400, Ext. 1125. Fax: 404-321-5478. E-mail: standards.section@ashrae.org.

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

BSR/ASHRAE Addendum d to ANSI/ASHRAE Standard 62.2-2016, *Ventilation and Acceptable Indoor Air Quality in Residential Buildings*
First Public Review Draft

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

FOREWORD

This proposed addendum aims to allow for a single-point blower door test result to be used when determining variable ventilation options.

[Note to Reviewers: This addendum makes proposed changes to the current standard. These changes are indicated in the text by underlining (for additions) and ~~striking through~~ (for deletions) except where the reviewer instructions specifically describe some other means of showing the changes. Only these changes to the current standard are open for review and comment at this time. Additional material is provided for context only and is not open for comment except as it relates to the proposed changes.]

Addendum d to 62.2-2013

Revise Section C2.2.1 and Section C2.2.2 as shown below. Subsequent equations will be renumbered. Note that errata sheet dated November 4, 2016 has been included in the changes shown below. Errata for ASHRAE standards are available for free on the ASHRAE website at <https://www.ashrae.org/standards-research-technology/standards-errata>.

C2.2.1 Annual Average Method. $Q_{inf,i}$ is set equal to the result from Equation 4.5, Section 4.1.2: Q_{inf} . To calculate $Q_{inf,i}$, divide the result from Equation 4.5, Section 4.1.2 Q_{inf} by the number of time steps in a year.

C2.2.2 Smaller Time Step Method. The wind speed (U_{met} [m/s or mph]) and outdoor temperature (T_{out} [°C or °F]) shall be taken from typical meteorological year data or from the nearest available meteorological site. For each time step, the total infiltration shall be calculated as a function of wind and stack effects as provided in this section.

The envelope leakage coefficient C and pressure exponent n shall be determined in one of the following ways:

1. ~~Taken from~~ blower door measurements using ASTM E779² or CGSB 149.10³.

2. Using ~~Alternatively, if ELA is calculated using~~ Section 4.1.2, n is assumed to be 0.65, and C is calculated using Equation C1 or C2:

$$C = 7400 \times \text{ELA} \quad (\text{I-P}) \text{ (C1)}$$

$$C = 1050 \times \text{ELA} \quad (\text{SI}) \text{ (C2)}$$

where

C = envelope leakage coefficient, cfm. In. of waterⁿ (L/s/Paⁿ)

ELA = effective leakage area, ft² (m²)

BSR/ASHRAE Addendum d to ANSI/ASHRAE Standard 62.2-2016, *Ventilation and Acceptable Indoor Air Quality in Residential Buildings*
 First Public Review Draft

3. From a single-point envelope leakage test, n is assumed to be 0.65, and C is calculated using Equation C3 or C4:

$$C = 2.84 \times Q_{50} \quad \text{(I-P) (C3)}$$

$$C = 0.786 \times Q_{50} \quad \text{(SI) (C4)}$$

where

C = envelope leakage coefficient, cfm/(in. wc) ^{n} (L/s/Pa ^{n})



**BSR/ASHRAE Addendum e
to ANSI/ASHRAE Standard 62.2-2016**

Public Review Draft

**Proposed Addendum e to
Standard 62.2-2016, Ventilation and
Acceptable Indoor Air Quality in
Residential Buildings**

**First Public Review (March 2017)
(Draft shows Proposed Changes to Current Standard)**

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

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

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

© 2017 ASHRAE. This draft is covered under ASHRAE copyright. Permission to reproduce or redistribute all or any part of this document must be obtained from the ASHRAE Manager of Standards, 1791 Tullie Circle, NE, Atlanta, GA 30329. Phone: 404-636-8400, Ext. 1125. Fax: 404-321-5478. E-mail: standards.section@ashrae.org.

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

BSR/ASHRAE Addendum e to ANSI/ASHRAE Standard 62.2-2016, *Ventilation and Acceptable Indoor Air Quality in Residential Buildings*
First Public Review Draft

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

FOREWORD

This proposed addendum aims to clean up the terminology regarding balanced ventilation and make it clear that the exhaust and supply have to run at the same time.

[Note to Reviewers: This addendum makes proposed changes to the current standard. These changes are indicated in the text by underlining (for additions) and ~~striketrough~~ (for deletions) except where the reviewer instructions specifically describe some other means of showing the changes. Only these changes to the current standard are open for review and comment at this time. Additional material is provided for context only and is not open for comment except as it relates to the proposed changes.]

Addendum e to 62.2-2013

Revise the definition of balanced system in Section 3 as shown below.

mechanical ventilation, balanced-system: ~~a-ventilation system-provided where the total supply fan flow is within 20% of the and total exhaust fan flow are within 20% of each other and provided simultaneously. The balanced system air flow shall be the average of the supply and exhaust flows.~~

Revise Section 4.3 as shown below.

4.3 Airflow Measurement. The airflow required by this section is the quantity of outdoor ventilation air supplied and/or indoor air exhausted by the mechanical ventilation system as installed and shall be measured according to the ventilation equipment manufacturer's installation instructions, or by using a flow hood, flow grid, or other airflow measuring device at the mechanical ventilation fan's inlet terminals/grilles, outlet terminals/grilles, or in the connected ventilation ducts. Balanced mechanical ventilation system airflow shall be the average of the supply fan and exhaust fan flows. Ventilation airflow of systems with multiple operating modes shall be tested in all modes designed to meet this section.

Revise Section 5.3 as shown below.

5.3 Continuous Mechanical Exhaust. A mechanical exhaust system shall be installed to operate continuously. The system may be part of a balanced mechanical ventilation system. See Chapter 10 of ASHRAE Guideline 24⁵ for guidance on selection of methods.

Revise Section 6.1 as shown below.

6.1 Adjacent Spaces and Transfer Air. Measures shall be taken to minimize air movement across envelope components to dwelling units from adjacent spaces such as garages, unconditioned crawlspaces, unconditioned attics, and other dwelling units. Pressure boundary wall, ceiling, and floor penetrations shall be sealed, as shall

BSR/ASHRAE Addendum e to ANSI/ASHRAE Standard 62.2-2016, *Ventilation and Acceptable Indoor Air Quality in Residential Buildings*
First Public Review Draft

any vertical chases adjacent to dwelling units. Doors between dwelling units and common hallways shall be gasketed or made substantially airtight.

Supply and balanced mechanical ventilation systems shall be designed and constructed to provide ventilation air directly from the outdoors. Balanced mechanical ventilation system air flow shall be the average of the supply fan and exhaust fan flows.

Revise Section C2.3 as shown below.

C2.3 Combination of Infiltration and Mechanical Ventilation. The total ventilation is the sum of the mechanical ventilation and infiltration at each time step:

$$Q_i = Q_{fan,i} + \phi Q_{inf,i} \quad (C7)$$

where ϕ is the additivity coefficient, which is unity for balanced mechanical ventilation systems, and otherwise

$$\phi = \frac{Q_{inf,i}}{Q_{inf,i} + Q_{fan,i}} \quad (C8)$$

Not for publication. This document is part of the NSF International standard development process. This draft text is for circulation for review and/or approval by a NSF Standards Committee and has not been published or otherwise officially adopted. All rights reserved. This document may be reproduced for informational purposes only.

[Note – the changes are illustrated below using ~~strikeout~~ for proposed removal of existing text and grey highlights to indicate the proposed new text. ONLY the highlighted text and ~~strikeout~~ text is within the scope of this ballot. Rationale Statements are in RED and only used to add clarity; these statements will NOT be in the finished publication]

NSF/ANSI Standard for Food Equipment –

Vending machines for food and beverages

.
.
.

2 Normative references

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

40 C.F.R. §180.940 *Tolerance exemptions for active and inert ingredients for use in antimicrobial formulations (Food-Contact Surface Sanitizing Solutions)*¹

ANSI/ASSE 1001 – 2008. *Atmospheric Type Vacuum Breakers*²

ANSI/ASSE 1020 – 2004. *Pressure Vacuum Breaker Assembly*³²

ANSI/ASSE 1022 – 2003. *Backflow Preventer for Beverage Dispensing Equipment*³²

ANSI/ASSE 1024 – 2004. *Dual Check Backflow Preventers*³²

ANSI/ASSE 1032 – 2004. *Dual Check Valve Type Backflow Preventers for Carbonated Beverage Dispensers – Post Mix Type*³²

APHA, *Standard Methods for the Examination of Water and Wastewater*, ~~21st edition~~ 22nd Edition³

IAPMO – *Uniform Plumbing Code* ~~2009~~⁴ 2015⁴

ICC – *International Plumbing Code* ~~2009~~⁵ 2015⁵

¹ U. S. Government Printing Office, Washington, DC 20402 <www.gpo.gov>.

² ASSE International Office, 901 Canterbury, Suite A, Westlake, OH 44145 <www.ansi.org>.

³ American Public Health Association, 800 I Street, NW, Washington, DC 2000 <www.apha.org>.

⁴ International Association of Plumbing and Mechanical Officials, 5001 E. Philadelphia St., Ontario, CA 91761 <www.iapmo.org>.

⁵ International Code Council, 5203 Leesburg Pike, Suite 600; Falls Church, VA 22041 <www.iccsafe.org>.

Not for publication. This document is part of the NSF International standard development process. This draft text is for circulation for review and/or approval by a NSF Standards Committee and has not been published or otherwise officially adopted. All rights reserved. This document may be reproduced for informational purposes only.

IEEE/ASTM SI 10 – 2010. *American National Standard for Metric Practice*⁶

NSF/ANSI 12. *Automatic ice making equipment*

NSF/ANSI 42. *Drinking water treatment units – Aesthetic effects*

NSF/ANSI 51. *Food equipment materials*

NSF/ANSI 53. *Drinking water treatment units – Health effects*

NSF/ANSI 58. *Reverse osmosis drinking water treatment systems*

NSF/ANSI 170. *Glossary of food equipment terminology*

Rationale: Normative reference update, corrected footnote numbering.

•
•
•

5.21 Casters, ~~rollers~~ and gliders

If used, casters, ~~rollers~~, and gliders shall be easily cleanable and shall conform to NSF/ANSI 2.

Rationale: Language updated to match boilerplate language in NSF/ANSI 2 – 2015. The term “rollers” is not used in NSF/ANSI 2 and is not defined in NSF/ANSI 170 – 2015.

•
•
•

5.29.4 Backflow prevention

5.29.4.1 Units intended to be connected to a water supply system under pressure shall have one of the following:

- an air gap at least twice the diameter of the water supply inlet but not less than 1.0 in (25 mm);
- a vacuum breaker that conforms to ANSI/ASSE 10012, *Atmospheric Type Vacuum Breakers* (for intermittent pressure conditions); or
- a vacuum breaker that conforms to ANSI/ASSE 10202, *Pressure Vacuum Breaker Assembly* (for continuous pressure conditions); or
- a backflow prevention device that conforms to ANSI/ASSE 10222, *Backflow Preventer for Beverage Dispensing Equipment*; or
- a backflow prevention device that conforms to ANSI/ASSE 10242, *Dual Check Backflow Preventers*; or

⁶ ASTM International, 100 Barr Harbor Dr., West Conshohocken, PA 19428 <www.astm.org>.

Tracking Number 25i11r1
© 2017 NSF

Revision to NSF/ANSI 25 – 2012
Issue 11, Draft 1 (March 2017)

Not for publication. This document is part of the NSF International standard development process. This draft text is for circulation for review and/or approval by a NSF Standards Committee and has not been published or otherwise officially adopted. All rights reserved. This document may be reproduced for informational purposes only.

- a backflow prevention device that conforms to ASSE 10322, *Performance Requirements for Dual Check Valve Type Backflow Preventers for Carbonated Beverage Dispensers – Post Mix Type*; or
- a statement in the installation instruction and on a label permanently affixed to the equipment that clearly indicates that the equipment is to be installed with adequate backflow protection to comply with applicable federal, state, and local codes.

Rationale: *Language updated to match boilerplate language in NSF/ANSI 2 – 2015, section 5.56.4.1*

Tracking number 42i90r1
© 2017 NSF

Revision to NSF/ANSI 42 – 2016
Issue 90 Revision 1 (March 2017)

Not for publication. This draft text is for circulation for approval by the Joint Committee on Drinking Water Treatment Units and has not been published or otherwise officially promulgated. All rights reserved. This document may be reproduced for informational purposes only.

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

NSF/ANSI Standard for Drinking Water Treatment Units –

.
. .

7 Elective performance claims – test methods

.
. .

7.3 Chemical reduction testing

.
. .

7.3.1.6 Methods

.
. .

7.3.1.6.3 POE systems

One system shall be conditioned in accordance with the manufacturer's instructions and 7.3.1.6. The system shall be tested using the appropriate influent challenge at the manufacturer's rated service flow rate and an initial dynamic pressure of 410 ± 20 kPa (60 ± 3 psig). The pressure shall not be readjusted, although the system may experience some change in dynamic pressure. The system shall be operated continuously 16 h per 24-h period followed by an 8-h rest under pressure or if requested by the manufacturer the systems shall be operated on a 50%-on / 50%-off basis, 16 h per 24-h period, followed by an 8-h rest under pressure. The cycle time shall be no shorter than 20 minutes.

Reason: Revised per 2016 DWTU JC discussion to allow for a more realistic use pattern option for the point of entry testing cycle.

.
. .

7.3.2 Chloramine reduction testing

.
. .

7.3.2.7 Methods

.
. .

Tracking number 42i90r1
© 2017 NSF

Revision to NSF/ANSI 42 – 2016
Issue 90 Revision 1 (March 2017)

Not for publication. This draft text is for circulation for approval by the Joint Committee on Drinking Water Treatment Units and has not been published or otherwise officially promulgated. All rights reserved. This document may be reproduced for informational purposes only.

7.3.2.7.3 POE systems

One system shall be conditioned in accordance with the manufacturer's instructions and 7.3.2.7. The system shall be tested using the appropriate influent challenge at the manufacturer's rated service flow rate and an initial dynamic pressure of 410 ± 20 kPa (60 ± 3 psig). The pressure shall be increased as necessary to a maximum of 620 kPa (90 psig) to maintain the specified flow rate. The flow rate shall be additionally controlled by a control valve installed downstream of the test systems. The system shall be operated continuously 16 h per 24-h period followed by an 8-h rest under pressure or if requested by the manufacturer the systems shall be operated on a 50%-on / 50%-off basis, 16 h per 24-h period, followed by an 8-h rest under pressure. The cycle time shall be no shorter than 20 minutes.

Reason: Revised per 2016 DWTU JC discussion to allow for a more realistic use pattern option for the point of entry testing cycle.

NOTE — If the manufacturer's rated service flow rate cannot be maintained at 620 kPa (90 psig), the test shall be concluded.

.
.
.

7.3.3 Chlorine reduction testing

.
.
.

7.3.3.7 Methods

.
.
.

7.3.3.7.3 POE systems

One system shall be conditioned in accordance with the manufacturer's instructions and 7.3.3.7. The system shall be tested using the appropriate influent challenge at the manufacturer's rated service flow rate and an initial dynamic pressure of 410 ± 20 kPa (60 ± 3 psig). The pressure shall not be readjusted, although the system may experience some change in dynamic pressure. The system shall be operated continuously 16 h per 24-h period followed by an 8-h rest under pressure or if requested by the manufacturer the systems shall be operated on a 50%-on / 50%-off basis, 16 h per 24-h period, followed by an 8-h rest under pressure. The cycle time shall be no shorter than 20 minutes.

Reason: Revised per 2016 DWTU JC discussion to allow for a more realistic use pattern option for the point of entry testing cycle.

.
.
.

7.3.4 Hydrogen sulfide and phenol reduction testing

.
.
.

Tracking number 42i90r1
© 2017 NSF

Revision to NSF/ANSI 42 – 2016
Issue 90 Revision 1 (March 2017)

Not for publication. This draft text is for circulation for approval by the Joint Committee on Drinking Water Treatment Units and has not been published or otherwise officially promulgated. All rights reserved. This document may be reproduced for informational purposes only.

7.3.4.7 Methods

.

7.3.4.7.3 POE systems

One system shall be conditioned in accordance with the manufacturer's instructions and 7.3.4.7. The system shall be tested using the appropriate influent challenge at the manufacturer's rated service flow rate and an initial dynamic pressure of 410 ± 20 kPa (60 ± 3 psig). The pressure shall not be readjusted, although the system may experience some change in dynamic pressure. The system shall be operated continuously 16 h per 24-h period followed by an 8-h rest under pressure or if requested by the manufacturer the systems shall be operated on a 50%-on / 50%-off basis, 16 h per 24-h period, followed by an 8-h rest under pressure. The cycle time shall be no shorter than 20 minutes.

Reason: Revised per 2016 DWTU JC discussion to allow for a more realistic use pattern option for the point of entry testing cycle.

.

7.3.5 Iron and manganese reduction testing

.

7.3.5.7 Methods

.

7.3.5.7.3 POE systems

One system shall be conditioned in accordance with the manufacturer's instructions and 7.3.5.7. The system shall be tested using the appropriate influent challenge at the manufacturer's rated service flow rate and an initial dynamic pressure of 410 ± 20 kPa (60 ± 3 psig). The pressure shall not be readjusted, although the system may experience some change in dynamic pressure. The system shall be operated continuously 16 h per 24-h period followed by an 8-h rest under pressure or if requested by the manufacturer the systems shall be operated on a 50%-on / 50%-off basis, 16 h per 24-h period, followed by an 8-h rest under pressure. The cycle time shall be no shorter than 20 minutes.

Reason: Revised per 2016 DWTU JC discussion to allow for a more realistic use pattern option for the point of entry testing cycle.

.

7.3.6 pH adjustment testing

.

Tracking number 42i90r1
© 2017 NSF

Revision to NSF/ANSI 42 – 2016
Issue 90 Revision 1 (March 2017)

Not for publication. This draft text is for circulation for approval by the Joint Committee on Drinking Water Treatment Units and has not been published or otherwise officially promulgated. All rights reserved. This document may be reproduced for informational purposes only.

7.3.6.7 Methods

.
.
.

7.3.6.7.3 POE systems

One system shall be conditioned in accordance with the manufacturer's instructions. The system shall be tested using the appropriate influent challenge at the manufacturer's rated service flow rate and an initial dynamic pressure of 410 ± 20 kPa (60 ± 3 psig). The pressure shall not be readjusted, although the system may experience some change in dynamic pressure. The system shall be operated continuously 16 h per 24-h period followed by an 8-h rest under pressure or if requested by the manufacturer the systems shall be operated on a 50%-on / 50%-off basis, 16 h per 24-h period, followed by an 8-h rest under pressure. The cycle time shall be no shorter than 20 minutes.

Reason: Revised per 2016 DWTU JC discussion to allow for a more realistic use pattern option for the point of entry testing cycle.

.
.
.

7.3.7 Zinc reduction testing

.
.
.

7.3.7.7 Methods

.
.
.

7.3.7.7.3 POE systems

One system shall be conditioned in accordance with the manufacturer's instructions and 7.3.7.7. The system shall be tested using the appropriate influent challenge at the manufacturer's rated service flow rate and an initial dynamic pressure of 410 ± 20 kPa (60 ± 3 psig). The pressure shall not be readjusted, although the system may experience some change in dynamic pressure. The system shall be operated continuously 16 h per 24-h period followed by an 8-h rest under pressure or if requested by the manufacturer the systems shall be operated on a 50%-on / 50%-off basis, 16 h per 24-h period, followed by an 8-h rest under pressure. The cycle time shall be no shorter than 20 minutes.

Reason: Revised per 2016 DWTU JC discussion to allow for a more realistic use pattern option for the point of entry testing cycle.

BSR/UL 60079-2, Standard for Safety for Explosive Atmospheres – Part 2: Equipment Protection by Pressurized Enclosure “p”

1. This proposal provides revisions to the proposal document dated December 16, 2016 for the Adoption of IEC 60079-2, Explosive Atmospheres - Part 2: Equipment Protection by Pressurized Enclosure “p”, (sixth edition, issued by IEC July 2014) as a new UL IEC-based UL standard, UL 60079-2 to the applicable requirements per comments received.

PROPOSAL

2DV DR Modification of Clause 2 references to replace with the following:

IEC 60034-5, Rotating electrical machines - Part 5: Degrees of protection provided by the integral design of rotating electrical machines (IP code) - Classification

IEC 60050 (all parts), International Electrotechnical Vocabulary

~~IEC 60079-0, Explosive atmospheres – Part 0: Equipment – General requirements~~

~~IEC 60079-11, Explosive atmospheres – Part 11: Equipment protection by intrinsic safety “i”~~

~~IEC 60079-15, Explosive atmospheres – Part 15: Equipment protection by type of protection “n”~~

IEC 60112, Method for the determination of the proof and the comparative tracking indices of solid insulating materials

IEC 60127, (All parts) Miniature fuses

IEC 60529, Degrees of protection provided by enclosures (IP Code)

IEC 60664-1, Insulation coordination for equipment within low-voltage systems - Part 1: Principles, requirements and tests

UL 60079-0 Explosive atmospheres - Part 0: Equipment - General requirements

UL 60079-11 Explosive atmospheres - Part 11: Equipment protection by intrinsic safety “i”

UL 60079-15 Explosive atmospheres - Part 15: Equipment protection by type of protection “n”

5.1DV.1 DR Modification of Clause 5.1, third paragraph has been retracted and should remain as was in the IEC standard.

NOTE This is because degradation of the enclosure that results in increased leakage will result in alarm or removal of power to ignition capable circuits. Therefore, the pre-

conditioning testing of non-metallic enclosures and non-metallic parts of enclosures is not considered necessary.

6.2DV DR Modification of Clause 6.2 to replace with the following:

The temperature class shall be based on the higher of the following temperatures:

- a) the hottest external surface of the enclosure; or
- b) the hottest internal component surface.

Exception: An internal component may exceed the marked temperature class if

- i) it complies with the relevant “small component” requirements of IEC UL 60079-0, or
- ii) the pressurized enclosure is Level of Protection “pxb” and complies with the requirements for opening times in IEC UL 60079-0. Appropriate measures shall be taken to prevent, if pressurization ceases, any explosive gas atmosphere which may exist making contact with the hot component surface before it has cooled below the permitted maximum value.

~~This may be achieved either by the design and construction of the joints of the pressurized enclosure and ducts or by other means, for example, by bringing auxiliary ventilation systems into operation or by arranging that the hot surface within the pressurized enclosure is in a gas-tight or encapsulated housing.~~

NOTE Examples of “appropriate measures” include but are not limited to the design and construction of the joints of the pressurized enclosure and ducts or by bringing auxiliary ventilation systems into operation or by placing the hot surface within the pressurized enclosure in a gas-tight or encapsulated housing.

For Level of Protection “pyb”, hot ignition-capable parts in normal operation are not permitted within the enclosure.

7.4.1DV.1 DE Modification of Clause 7.4.1, second paragraph to replace with the following:

7.4.1DV.1.1 If a vent is provided, it shall comply with the applicable requirements in Table 2 ~~have a spark and particle barrier.~~

7.11DV.1 DE Modification of Clause 7.11, first paragraph (item 9 of d) to delete text, it does not apply:

~~9) the exclusion for non-metallic enclosures and non-metallic parts of enclosures in 5.1 has not been applied;~~

18.3DV.1 DE Modification of Clause 18.3, item a) to include permissible substitute marking for the level of protection marking for Group III with the following:

<u>60079-2 level of protection</u>	<u>EPL</u>	<u>Permissible substitute product marking</u>	<u>Added zone marking</u>
<u>“pxb”</u>	<u>Db</u>	<u>“pb”</u>	<u>21</u>
<u>“pyb”</u>	<u>Db</u>	<u>“pb”</u>	<u>21</u>
<u>“pzc”</u>	<u>Dc</u>	<u>“p”</u>	<u>22</u>

NOTE 1 The 2017, and prior, National Electrical Code®, NFPA 70, does not recognize “pxb”, “pyb” and “pzc” as a Type of Protection for Zones 21 and 22. Product marking “pb” and “p” are substituted until this can be rectified. Example markings: Zone 21 AEx pb IIIC T70 °C Db, Zone 22 AEx p IIIC T70 °C Dc.

NOTE 2 This standard does not prohibit the use of a second EX marking string including the permissible substitute marking as appropriate. For example:

Zone 21 AEx pxb IIIC T70 °C Db

Zone 21 AEx pb IIIC T70 °C Db

or

Zone 22 AEx pzc IIIC T70 °C Dc

Zone 22 AEx p IIIC T70 °C Dc

UL copyrighted material. Not authorized for further reproduction without prior permission from UL.

BSR/UL 858, Standard for Household Electric Ranges

1. Improvements to Abnormal Operation - Coil Surface Unit Cooking Oil Ignition Test

PROPOSAL

60A Abnormal Operation - Coil Surface Unit Cooking Oil Ignition Test

60A.1 Each coil surface unit provided as part of an appliance shall comply with 60A.3 or 60A.13 if it has a nominal rating of 350 W or greater.

60A.2 When an appliance is equipped with multiple coil surface units of equivalent identical construction (including control system) and wattage, only one of those units need be subjected to this test. When applicable, the subjected unit should be that nearest the front of the appliance.

60A.3 A coil surface unit shall not cause ignition of cooking oil when tested as described in 60A.4 - 60A.12 or alternatively meet the temperature requirements of 60A.13.

60A.4 The appliance shall be tested at voltage specified in 56.4.

60A.5 The cast iron pan specified in Table 60A.1 and Figure 60.A.1 An appropriate sized pan shall be placed on the center of the coil cooktop element. For purposes of selecting pan size, the heating element size shall be determined by the maximum heated diameter as shown in Figure 60.A.2. A detailed specification for the reference pans can be found in AHAM ER-1 clause 5.7.5.

Figure 60A.1
Pan dimensions

(bottom curvature exaggerated for clarity)

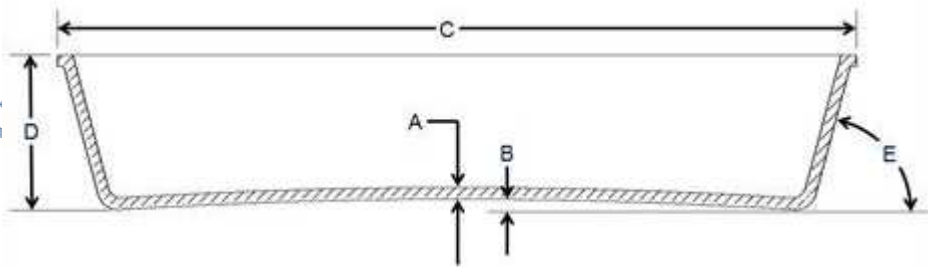


Table 60A.1

Reference cast iron test pan dimensions and oil amounts

Heating Element Size	Reference Bottom Thickness A	Reference Bottom flatness B	Reference Overall Diameter C	Reference Height D	Reference Side Angle E	Oil Amount
----------------------------	------------------------------------	-----------------------------------	------------------------------------	-----------------------	------------------------------	---------------

	<u>in (mm)</u>	<u>in (mm)</u>	<u>in (mm)</u>	<u>in (mm)</u>	<u>degrees</u>	<u>g</u>
≤ 7 in	<u>.15 (3.8)</u>	<u>0.010 (.25)</u>	<u>8.26 (210)</u>	<u>1.90 (48.3)</u>	<u>68</u>	<u>58</u>
> 7 in.	<u>.15 (3.8)</u>	<u>.03 (0.8)</u>	<u>10.40 (264)</u>	<u>2.04 (52)</u>	<u>70</u>	<u>106</u>

Figure 60A.2
Determination of Coil Heating Element Size



60A.6 The pan shall have a diameter at the bottom at least equal to but not more than 1 in (25.4 mm) larger than the maximum diameter of the active part of the coil cooktop element on which the pan is used. The side walls of the pan are not required to be vertical for the purpose of this test.

Exception: If the construction is such that the active surface unit heating area is elliptical or non-circular in shape, a pan of the same approximate shape as the active portion and having major and minor axes that are within minus 0 and plus 1 in (minus 0 and plus 25.4 mm) of the major and minor axes of the active portion of the surface unit shall be used.

60A.7 The pan shall be made of aluminum material 0.080—0.140 in (2.0—3.6 mm) thick. The interior and exterior surfaces of the pan shall have no coating.

60A.8 The pan shall have a flat bottom surface that is free of warping or damage that would prevent it from sitting flat on the coil cooktop element surface. The pan shall be flat within 0.0625 in (1.588 mm).

60A.9 The cooking pan shall be filled with canola Canola oil shall be added directly to the pan until an amount equal to the weight specified in Table 60.A.1 is obtained. For reference, this will result in an approximate to a depth of 0.125 in (3.175 mm).

60A.10 The surface unit shall be turned on to its maximum heat setting or, based on analysis of the control system, another heat setting that will create a higher pan temperature, and allowed to operate for 30 minutes or until the cooking oil ignites, whichever comes first. ~~Based on analysis of the control system, if other heat settings have the potential to provide more heat than the maximum setting, the test shall be repeated at those settings.~~

60A.11 Whenever a coil surface unit is equipped with user-selectable multiple heating zone configurations, ~~including those that create an elliptical or non-circular shaped heating zone~~, each zone configuration shall be tested separately.

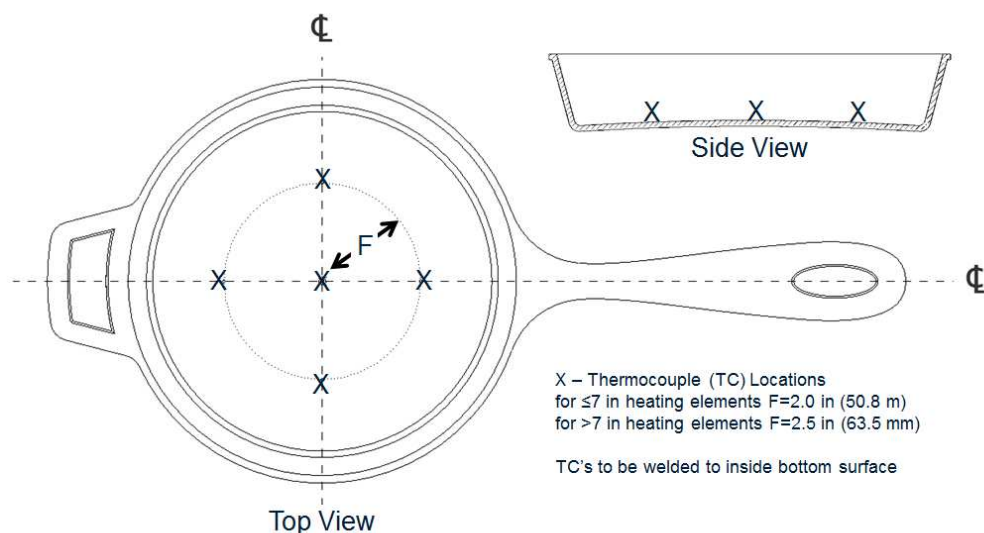
60A.12 The test room is to be of sufficient volume or the room shall be vented so that the appliance area remains reasonably clear of smoke. Room ventilation and airflow from heating or air conditioning shall be such that they do not ~~During this test, care should be taken that no room fans or heating, venting, and air conditioning affect the results of the test by moving air currents across the test unit pan.~~

60A.13 When testing the temperature of the pan referenced in Table 60A.1 without oil, the surface unit shall be turned on to its maximum heat setting or, based on analysis of the control system, another heat setting that will create a higher pan temperature, and allowed to operate for 30 minutes. The pan temperature shall be measured using 5 thermocouples spot welded to the inside bottom cooking surface of the pan in the locations as shown in Figure 60.A.3. The average of the 5 temperatures shall not exceed 725°F (385°C).

Fig 60A.3

Welded thermocouples

1 thermocouple in Center of pan and 4 welded F in. from center and 90 degrees apart as shown



BSR/UL 8750, Standard for Safety for Light Emitting Diode (LED) Equipment for Use in Lighting Products

1. Expand scope of standard to include LED controllers supplied from branch circuit

1.1.1 LED controllers covered in this standard are intended to be:

- a) Located inside the luminaire,
- b) Secured to the outside surface of a luminaire,
- c) Secured to the luminaire to form part of the luminaire enclosure, or
- d) Located remotely from the luminaire when the LED controller operates from and controls only Class 2 circuits from the luminaire.

1.1.2 These requirements do not cover LED controllers intended for installation inside an electrical outlet box.

1.1.3 These requirements do not cover LED controllers within the scopes of the following standards:

- a) Standard for Safety for Plug-In Locking Type Photocontrols for Use with Area Lighting, UL 773, or
- b) Standard for Safety for Solid State Dimming Controls, UL 1472.

1.3 LED equipment is utilized in lighting products that comply with the end-product standards listed below. The requirements in this standard are intended to supplement those in other end-product standards. The requirements in this standard do not anticipate all possible applications [e.g., LED equipment subject to weather (outdoor use), LED equipment installation in air handling spaces or in other environmental air spaces (plenums), LED equipment use in fire rated installations, etc.]. Included are:

- a) Electric Signs, UL 48,
- b) Portable Electric Luminaires, UL 153,
- c) Underwater Luminaires and Submersible Junction Boxes, UL 676,
- d) Emergency Lighting and Power Equipment, UL 924,
- e) Stage and Studio Luminaires and Connector Strips, UL 1573,
- f) Track Lighting Systems, UL 1574,
- g) Luminaires, UL 1598,
- h) Direct Plug-In Nightlights, UL 1786,

- i) Low Voltage Landscape Lighting Systems, UL 1838,
- j) Self-Ballasted Lamps and Lamp Adapters, UL 1993,
- k) Luminous Egress Path Marking Systems, UL 1994, and
- l) Low Voltage Lighting Systems, UL 2108.

~~3.12 LED CONTROL MODULE (LED CONTROLLER) - Electronic circuitry interposed between the power source and an LED array to dim, switch, or otherwise control the electrical energy to the LED array. The device does not contain a power source and is not connected directly to the branch circuit.~~

3.12 LED CONTROLLER - A device or electronic circuitry that is designed to control light output characteristics, control/manage electrical energy to the luminaire, or sense and transmit luminaire operational performance and built environmental data.

7.9.2 A component that bridges two circuits otherwise required to be isolated from one another shall be one of the following:

- a) A Class Y capacitor complying with the requirements specified in the Fixed Capacitors for Use in Electronic Equipment - Part 14: Sectional Specification - Fixed Capacitors for Electromagnetic Interference Suppression and Connection to the Supply Mains, UL 60384-14 (see Table 7.6),
- b) Two capacitors connected in series, each capacitor individually complying with the dielectric voltage withstand test of 8.6,
- c) An isolator complying with the requirements of the Standard for Optical Isolators, UL 1577, with a suitable isolation voltage rating, or
- d) A transformer that complies with the dielectric voltage withstand test of 8.6.
- e) A relay (electromechanical or solid-state) that complies with the applicable requirements of the Standard for Industrial Control Equipment, UL 508.

7.9.3 A relay shall have appropriate ratings (i.e., voltage, current, or watts) in accordance with the Standard for Industrial Control Equipment, UL 508. Additionally, a relay that operates (make or break) non-isolated circuits shall be rated based on intended load type as noted below:

- a) LED array loads are evaluated as resistive loads.
- b) AC transformer (magnetic) loads are evaluated as general purpose loads. Relays with this rating can also be used with LED array loads.

c) Electronic (switch mode) transformers, LED drivers, and LED light engines are evaluated as tungsten lamp loads. Relays with this rating can also be used with LED array and AC transformer (magnetic) loads.

Exception No. 1: When a circuit is designed to trigger operation (make or break) of an electromechanical relay at the same angle of the ac sinusoidal waveform, such as at zero crossing, the relay may be evaluated based on related ratings (i.e., DC voltage, current, or watts) for the load types noted above. If the relay is triggered by an electronic circuit, this circuit shall additionally meet with one of the following requirements:

- a) Compliance with the applicable requirements of Supplement SA as a protective function, or
- b) Compliance with the Abnormal Switching Test in 8.18.

Exception No. 2: When an electromechanical relay does not have adequate ratings for the intended load, it is to be evaluated by test per Device Performance - Sequence 1 (i.e., temperature, overvoltage and undervoltage, and dielectric voltage withstand tests) and Sequence 2 (i.e., overload and endurance tests) requirements of the Standard for Industrial Control Equipment, UL 508.

Exception No. 3: When a solid-state relay does not have adequate ratings for the intended load, it is to be evaluated by test per Device Performance - Sequence 1 (i.e., temperature, overvoltage and undervoltage, and dielectric voltage withstand tests) requirements of the Standard for Industrial Control Equipment, UL 508.

8.2.2 The input current (or wattage, if so rated) of a LED controller or driver shall not exceed 110 percent of the rating when operated at rated input voltage and supplying rated load.

8.2.2 For LED controllers and LED drivers:

- a) For constant voltage input units, the input voltage shall be set at rated value and supplying rated load. Measured input current and input power shall not exceed 110 percent of each rating respectively.
- b) For constant current input units, the input current shall be set at rated value and supplying rated load. Measured input voltage and input power shall not exceed 110 percent of each rating respectively.

8.18 Abnormal switching test

8.18.1 Two test samples are prepared and connected as follows:

- a) The trigger circuit of the electromechanical relay is to be removed or modified to allow random switching.

b) The general abnormal test procedures described in 8.7.1.1 are followed as applicable.

8.18.2 The prepared test samples shall be operated in accordance with the endurance test requirements specified in Exception No. 2 to 7.9.3 using random switching. The test samples shall be operated until either the required number of endurance test cycles is achieved or until ultimate results are demonstrated for 1 hour stabilized duration.

8.18.3 Immediately after each abnormal switching test, each control shall be subjected to the dielectric voltage withstand test of 8.6.

8.18.4 The control shall either operate as intended in accordance with the endurance test requirements, or demonstrate an end-of-life fail safe condition with no evidence of an imminent electrical shock, fire or injury to persons. There shall be:

- a) No opening of the ground arc detection fuse.
- b) No emission of the flame or molten metal, or ignition of the cheesecloth.
- c) No opening of the branch circuit protection device.
- d) No breakdown during the post-dielectric withstand testing.

9.2.2 A power source integrated with a controller or LED array or both shall be provided with markings (a) through (c) below. A power source packaged separately from the controller or LED array or both LED controller or LED driver shall be provided with markings (a) through (d) (g):

- a) Environmental suitability (dry, damp, or wet location),
- b) Input voltage supply limitations (e.g., Class 2 input only), if applicable,
- c) Input current and power factor, or input wattage, and
- c) Input supply type (Constant Current or Constant Voltage),
- d) Rated output voltage and current (or wattage),
- d) Input supply ratings: Voltage (V), Nature of supply (AC or DC), Frequency (if applicable), Current (A), power factor (if applicable), and Power (W),
- e) Output type (Constant Current or Constant Voltage),
- f) Output ratings: Voltage (V), Nature of supply (AC or DC), Frequency (if applicable), Current (A), and Power (W), and
- g) Output load type when it is switched by the device via integral electromechanical or electronic relay (LED array, LED driver, Light engine, AC transformer or equivalent).

Exception No. 1: For built-in products, this information may be provided on a separate instructions sheet or the like.

Exception No. 2: When the device is marked for a specific load (i.e. by manufacturer's name and model number), items (e) to (g) are omitted.

Exception No. 3: When the device includes a light source (i.e. light engine) and has no supply output, items (e) to (g) are omitted.

9.2.4 An LED controller shall be marked with the following:

- a) ~~Environmental suitability (dry, damp, or wet location),~~
- b) ~~Input limitations (i.e., Class 2 input only), if applicable,~~
- c) ~~Input voltage,~~
- d) ~~Input current or wattage, and~~
- e) ~~Rated output voltage and current (or wattage).~~

A wiring diagram and any additional information necessary for proper connection of the LED controller or LED driver to the intended LED load(s) shall also be provided ~~with a controller~~. This may be on a separate instruction sheet or similar.

ExSC_029_2017

April 7, 2017 ANSI Standards Action

Draft Revisions to ANSI's Appeals Procedures: ANSI Appeals Board, ANSI Board of Standards Review (BSR) and ANSI Executive Standards Council (ExSC)

The proposed revisions that follow are the next iteration of the proposed revisions announced in 2016 as ExSC_053_2016. Note that some public comments received in response to ExSC_053_2016 were accepted and incorporated, while others were not.

Public comments are invited on new revisions as reflected in this document. ExSC_029_2017 displays the proposed revisions and ExSC_029_A_2017 incorporates the new revisions.

Please return comments to psa@ansi.org by May 8, 2017.

ANSI Appeals Board**1 Authority and scope**

Authority to establish an appeals mechanism rests with the Board of Directors of the American National Standards Institute (ANSI) as provided in the Constitution and By-laws of ANSI. The Board of Directors has determined that the Appeals Board shall be the final level of appeal within ANSI.

The Appeals Board shall consider appeals by directly and materially affected persons¹ that have exhausted all other appeals available to them through ANSI and who believe they have been, or will be, adversely affected by a decision of ANSI, whether in the form of action or inaction, in the implementation of the following ANSI procedures:

ANSI-ACC-CA-003 ANSI Policy and Criteria for PR-004 Appeals
CAP-PL-301 Accreditation Policy for ANSI Certificate Accreditation Program
CFP-PL-801 Accreditation Policy for ANSI-CFP Accreditation Program
GHG-PL-701 Accreditation Policy for ANSI Greenhouse Gas Validation / Verification Body Accreditation Program
PCAC-PL-501 Accreditation Policy for Personnel Certification Accreditation Program
PRO-PL-102 Manual of Operations for Accreditation of Product Certification Programs
 ...
PRO-PR-106 Identification of Non-Conformities and Implementation of Corrective and Preventive Actions by Accredited and Applicant CBs
ANSI Auditing Policy and Procedures
ANSI Essential Requirements: Due process requirements for American National Standards
ANSI Procedures for the National Adoption of ISO and IEC Standards as American National Standards
ANSI Procedures for U.S. Participation in the International Standards Activities of the ISO, including Annex B, Criteria for the Development and Coordination of U.S. Positions in the International Standardization Activities of the ISO and IEC
Operating Procedures of the ANSI Board of Standards Review (BSR)
Operating Procedures of the ANSI Executive Standards Council (ExSC)

¹"Persons" includes organizations, companies, government agencies, individuals etc.

Operating Procedures of the United States National Committee of the International Electrotechnical Commission (IEC)

The Appeals Board shall consider an appeal based on the evidence before the body of ANSI that rendered the decision from which the appeal is taken (e.g., ANSI Board of Standards Review, ANSI Executive Standards Council, ~~Accreditation Committee for Product Certifiers~~). ~~Any decision that is appealed shall not be reversed by the ANSI Appeals Board unless the Appeals Board finds that such decision is clearly erroneous.²~~ The burden of persuasion shall rest with the appellant. Pending a decision by the Appeals Board, the decision from which the appeal is taken shall remain in effect, unless the Appeals Board expressly determines otherwise.

11 Appeals process

11.1 Appeal

All appeals shall be made in writing. Appeals and the required filing fee shall be directed to the secretary of the Appeals Board on or before midnight Eastern time of the due date. The filing fee may be waived or reduced only upon sufficient evidence of hardship. Except in a matter involving extraordinary circumstances, the Appeals Board shall only consider an appeal from a final decision of the ANSI body from which the appeal is taken. A refusal by an ANSI body to decide a matter within its jurisdiction, or undue delay by such body in reaching a decision, shall constitute "extraordinary circumstances."

The appeal shall be comprised of a brief statement of the matter and the reason(s) why the appellant believes the decision is in error. Specifically, the appeal should include as appropriate:

- a) a copy of the decision from which the appeal is taken;
- b) an explanation of the issue and the procedural history;
- c) arguments that explain why appellant believes the decision was in error;
- d) references to the provision(s) of the ANSI procedures upon which appellant relies;
- e) ~~documentary~~relevant evidence that directly supports appellant's position and upon which appellant relies³; and
- f) the specific relief sought by appellant from the Appeals Board.

The brief appeal statement (exclusive of exhibits) shall not be more than 30 pages, double-spaced, 12 point font or larger. The secretary of the Appeals Board shall have discretion to extend this limit for good cause shown.

² ~~If an appropriate and persuasive argument is presented to the Appeals Board that the decision appealed from is incorrect, the Appeals Board may reverse, remand or reverse and remand. If the Appeals Board remands the appeal back to the body that rendered the decision, it will do so with instructions to take further action.~~

³ If appropriate and persuasive evidence is presented that was not before the ANSI body that made the decision from which the appeal is taken, the Appeals Board may remand the case back to the ANSI body for review and determination of action to be taken. In such circumstances, the Appeals Board shall determine whether the decision being appealed shall remain in effect.

~~The appeal shall be submitted to the secretary of the Appeals Board along with the required filing fee. The filing fee may be waived or reduced only upon sufficient evidence of hardship.~~ Unless otherwise instructed by the secretary of the Appeals Board, the appeal shall be sent via electronic means (with one complete hard copy mailed to ANSI) within fifteen- (15) working -days following receipt by the appellant of the final decision that is the subject of the appeal. If the appellant is unable to provide the required appeals materials within the fifteen- (15) working -day deadline, an extension may be requested, with the grounds for such request noted. Such request must be directed to the secretary of the Appeals Board within the fifteen- (15) working -day deadline or the appellant shall forfeit the right to appeal. Extensions of time to submit an appeal statement may be granted at the discretion of the Chair of the Appeals Board, or, if the Chair is unavailable, the secretary of the Appeals Board.

The appeal filed with the Appeals Board, together with the record of the appeal before the body of ANSI that rendered the decision from which the appeal is taken, shall be distributed by letter ballot by the secretary of the Appeals Board to Appeals Board members, subject to applicable conflict of interest procedures, and to the parties to the decision under appeal- for their information. No party to an appeal may communicate with any unrecused member of the Appeals Board on the subject of the appeal while the matter is pending. All communications shall be directed to the secretary of the ANSI Appeals Board.

11.2 Appeals Board initial review

The Appeals Board shall determine by letter ballot whether the appellant has established a *prima facie* case that the decision appealed from was clearly erroneous. If the Appeals Board determines that a *prima facie* case has not been established, the secretary will so notify the appellant and the parties to the decision under appeal, in writing and the appeal will be dismissed- thereby exhausting all appeals available through ANSI.

If the Appeals Board determines that a *prima facie* case has been established, it may either remand the matter for further consideration by the ANSI body from which the appeal was taken or set a date for a hearing at which further arguments will be received. If the Appeals Board chooses to set a hearing, the secretary of the Appeals Board will so notify all parties to the appeal that a hearing will be scheduled. No supplemental filing by the appellant prior to the forthcoming hearing shall be permitted without a showing of good cause and the express permission of the Appeals Board Chair.

11.3 Response

If the respondent (the party who must respond to the appeal) receives an Appeals Board determination that a *prima facie* case has been established and that a hearing will be scheduled, the respondent shall have fifteen- (15) working -days to submit a brief statement in response to the appeal on or before midnight Eastern time of the due date. Unless otherwise instructed by the secretary of the Appeals Board, the response shall be sent via electronic means (with one complete hard copy mailed to ANSI) within fifteen- (15) working -days following receipt by the respondent of the Appeals Board determination.

If the respondent is unable to provide the required response within fifteen- (15) working -days, an extension may be requested, with the grounds for such request noted. Such request must be directed to the secretary of the Appeals Board within the fifteen- (15) working -day deadline or the respondent shall forfeit the right to respond. Extensions of time to submit a response may

be granted at the discretion of the Chair of the Appeals Board, or, if the Chair is unavailable, the secretary of the Appeals Board.

The response shall include:

- a) the reasons why respondent believes the decision under appeal was correct and a reference to the provisions in the ANSI procedures upon which the respondent relies; and
- b) ~~documentary~~relevant evidence that directly supports respondent's position and upon which respondent relies.

The brief response (exclusive of exhibits) shall not be more than 30 pages, double-spaced, 12 point font or larger. The secretary of the Appeals Board shall have discretion to extend this limit for good cause shown.

The response shall be distributed by the secretary of the Appeals Board to Appeals Board members, subject to applicable conflict of interest procedures, and to the appellant. No supplemental filing prior to the forthcoming hearing shall be permitted without a showing of good cause.

Panel members shall receive copies of the appeals record at least fifteen- (15) working -days prior to the date of the appeals hearing.

11.4 Letters of support by non-parties to the appeal

If the Appeals Board determines that a prima facie case has been established and a hearing will be held, ~~two types of letters of support will be accepted within the fifteen-working-day response period established per 11.3 Response:~~

- ~~Amicus Curiae: A person or organization that is not a party to the appeal and who has not been solicited by any of the parties may request permission from the Appeals Board Secretary to offer information in the form of an "amicus letter" that bears on the appeal to assist the Appeals Board. The request for permission to file an amicus letter may not exceed one single-space page in length, should state the name and affiliation of the requestor, the requestor's interest in the appeal, the reason why the requestor believes an amicus letter is desirable and why the requestor believes the matters it intends to assert are relevant to the disposition of the appeal.~~
- ~~Party Supporter: A~~ A person or organization that is not a party to the appeal may submit a letter of support for a position taken by the appellant or respondent to the appeal by contacting that party and requesting that such a letter be included in that party's formal appeals brief or response.

~~Such amicus curiae (if permitted) or~~ Such party-supporting letters shall be clearly marked as such, may not include new evidence, may not exceed three single-space pages in length, 12 point font or larger, and may address procedural issues only. Letters not meeting the requirements of this section will not be accepted without the approval of the Appeals Board Chair. Submitters of such letters do not have any special standing with respect to ANSI's appeals processes, are not considered parties to the appeal and do not have the right to address the adjudicating body at the hearing on the matter.

11.5 Hearing

A hearing date for an appeal shall be set by the secretary of the Appeals Board after consultation with the Chair. However, a later date may be scheduled if mutually agreeable to the participants in the hearing. All parties shall be given at least fifteen- (15) working -days notice of the hearing date. The ~~names~~name and affiliation of all speakers and any observers must be provided to the secretary of the Appeals Board in advance of the hearing.

At the hearing, the appellant's position shall be presented first, followed by the respondent. Each side is then allowed to respond until their total allotted time is exhausted. A half hour total, for the initial presentation and subsequent responses, is allotted for each side, with a limit of three speakers per side. Additional time is allotted for a question and answer session directed by the panel. At the hearing, speakers are not permitted to make assertions about facts or issues not in the record. The hearing may not be recorded in any way. At the close of the question and answer period, the appeals panel shall go into executive (closed) session for the purpose of arriving at a decision.

Should any party at interest not be present at the hearing, the decision of the Appeals Board shall be based on the presentations made by the parties that are present at the hearing in addition to the written submissions on record.

12 Appeals Board ~~decisions~~ Decisions in General

Decisions of Appeals Board panels shall require a majority vote of the panel, shall represent the decision of the Appeals Board, and shall be provided to ~~the~~ all Appeals Board members for their information. ~~The Secretary of~~ Except as noted in Section 13, in deciding an appeal, the Appeals Board ~~shall notify in writing both the appellant and the respondent/~~ has a broad range of remedial options, including dismissing, affirming, reversing and ~~the respondent/~~ or remanding (in whole or in part) and will fashion an appropriate remedy depending upon its findings and the stage of the ~~decision of the Appeals Board~~ appeal.

A decision reached by an Appeals Board panel following an initial review (see section 11.2) and in response to a staff-issued Letter Ballot regarding whether a *prima facie* case has been made that the decision appealed from was clearly erroneous is ordinarily sent by the secretary to the parties within fifteen (15) working days of the close of the Letter Ballot. If the Appeals Board's finding is that no *prima facie* case has been established, the decision ordinarily states only that that a *prima facie* case has not been made by the appellant and that the appeal is dismissed. If the Appeals Board's finding is that a *prima facie* case has been established, the Appeals Board will either remand the case with instructions to the ANSI body that issued the decision from which the appeal is taken or set a date for a hearing.

A decision reached by an Appeals Board panel after an appeals hearing, ~~shall be~~ is ordinarily sent to the parties by the secretary to the parties within a reasonable time ~~fifteen (15) working days of the hearing.~~ The hearing. The decision ~~shall specify~~ specifies the outcome of the appeal, the reasons for such outcome, and the specific relief granted, if any.

The outcome of all decisions reached by Appeals Board action date will be the date of notification. ~~The decision panels~~ shall be announced in *Standards Action*.

13 Appeals Board decisions arising from Conformity Assessment Accreditation Programs

In the case of appeals arising from one of ANSI's conformity assessment accreditation programs, the Appeals Board, consistent with currently applicable requirements of ISO/IEC 17011, will not consider or determine whether a requirement of the applicable accreditation standard (e.g., ISO/IEC 17065) has been met. In an appeal arising from an ANSI conformity assessment accreditation program, the Appeals Board can only dismiss, affirm or remand a decision to the body that made the decision for further action. If the Appeals Board remands the decision back to the body that rendered the decision, it will do so with instructions to take further action.⁴

14 Reconsideration

Any party to an appeal for which a hearing was held may request reconsideration of an Appeals Board ~~hearing~~ decision by sending a written request, not to exceed 10 pages in length, double-spaced, 12 point font or larger, to the secretary of the Appeals Board within ten- ~~(10) working -~~ days after notification of the ~~hearing decision by the Appeals Board~~ decision. The opposing

⁴ Because the Appeals Board cannot make an accreditation decision for the purposes of ISO/IEC 17011, it cannot procedurally reverse a decision of an accreditation committee; instead it can only remand a decision to an accreditation committee with instructions to take further action.

party will have ten- (10) working -days to file a reply, subject to the same page and format restrictions. The secretary of the Appeals Board shall have discretion to extend this limit for good cause shown.

The Appeals Board may entertain a request for reconsideration based upon claims of a mistake, oversight or error in the decision or any other like reason justifying relief from the implementation of the decision.

14 Once a decision on reconsideration is issued, no further requests for reconsideration will be accepted.

15 Accessibility of documentation and decisions

A copy of the record on appeal (*i.e.*, the appeals-related documents submitted by the parties to the appeal for consideration by the Appeals Board ~~and any~~ including party-supporting letters-of support) shall be made available to any directly and materially affected person upon request. The costs associated with providing such documents shall be borne by the person seeking them.

1516 Informal settlement

ANSI encourages settlement of disputes at any time if the settlement is consistent with the objectives of the ANSI procedures. Any settlement (to which the parties agree in writing) that is consistent with ANSI procedures, or an agreement to withdraw the appeal, will terminate the appeals process. If the settlement leads to a substantive change in a standard, the change shall be processed in accordance with the *ANSI Essential Requirements: Due process requirements for American National Standards*.

ANSI Board of Standards Review

7 Appeal of action on American National Standards

7.1 Right to appeal

All directly and materially affected persons⁵ who completed the appeals process at the standards developer level and whose position is included in the BSR documentation may appeal to the BSR a prior BSR decision regarding the approval or withdrawal of an American National Standard. The appeal shall be based on procedural criteria (see clause 4). The BSR will not render decisions on the relative merits of technical matters, but it shall consider whether due process was afforded technical concerns. The burden of persuasion shall rest with the appellant.

The BSR may also hear appeals remanded or referred to the BSR by the ANSI Appeals Board. Pending a decision by the BSR, the original decision of the BSR shall remain in effect unless the BSR determines otherwise. No party to an appeal may communicate with any unrecused member of the ANSI BSR on the subject of the appeal while the matter is pending. All communications shall be directed to the secretary of the ANSI BSR.

7.2 Appeal

All appeals shall be made in writing ~~and~~. Appeals and the required filing fee shall be directed to the secretary of the ANSI BSR on or before midnight Eastern time of the due date. The filing fee may be waived or reduced only upon sufficient evidence of hardship.

The appeal shall be comprised of a brief statement of the matter and the reason(s) why the appellant believes the decision is in error. Specifically, the appeal should include as appropriate:

- a) a copy of the decision from which the appeal is taken;
- b) an explanation of the issue and the procedural history;
- c) arguments that explain why appellant believes the decision was in error;
- d) references to the provision(s) of the ANSI procedures upon which appellant relies;
- e) ~~documentary~~relevant evidence that directly supports appellant's position and upon which appellant relies; and
- f) the specific relief sought by appellant from the BSR.

The brief appeal statement (exclusive of exhibits) shall not be more than 30 pages, double-spaced, 12 point font or larger. The secretary of the BSR shall have discretion to extend this limit for good cause shown.

~~The appeal shall be submitted to the secretary along with the required filing fee. The filing fee may be waived or reduced only upon sufficient evidence of hardship.~~ Unless otherwise instructed by the secretary of the BSR, the appeal shall be sent via electronic means (with one complete hard copy mailed to ANSI) within fifteen- (15) working -days following the date of the decision that is the subject of the appeal. If the appellant is unable to provide

⁵ "Persons" includes organizations, companies, government agencies, individuals etc.

the required appeals materials within the fifteen- (15) working -day deadline, an extension may be requested, with the grounds for such request noted. Such request must be directed to the secretary of the BSR, within the fifteen- (15) working -day deadline or the appellant shall forfeit the right to appeal. No supplemental filing prior to the forthcoming hearing shall be permitted without a showing of good cause.

7.3 Response

The appeal shall be distributed by the secretary of the BSR to the potential respondent (the party who must respond to the appeal) to allow them the opportunity to respond, if they so desire. Thereafter, this party shall have fifteen- (15) working -days to submit their response to the appeal on or before midnight Eastern time of the due date.

The response shall include:

- a) the reasons why respondent believes the decision under appeal was correct and a reference to the provisions in the ANSI procedures upon which the respondent relies; and
- b) documentary relevant evidence that directly supports respondent's position and upon which respondent relies.

The brief response (exclusive of exhibits) shall not be more than 30 pages, double-spaced, 12 point font or larger. The secretary of the BSR shall have discretion to extend this limit for good cause shown.

The response shall be distributed by the secretary of the BSR to BSR members, subject to applicable conflict of interest procedures, and to the appellant. No supplemental filing prior to the forthcoming hearing shall be permitted without a showing of good cause.

If the respondent is unable to provide the required response within fifteen- (15) working -days, an extension may be requested, with the grounds for such noted. Such request must be directed to the secretary of the BSR within the fifteen- (15) working -day deadline or the respondent shall forfeit the right to respond. Extensions of time to submit a response may be granted at the discretion of the Chair of the BSR, or, if the Chair is unavailable, the Vice Chair of the BSR or the secretary of the BSR.

7.4 Letters of support by non-parties to the appeal

A person or organization that is not a party to the appeal may submit a letter of support for a position taken by the appellant or respondent to the appeal by contacting that party and requesting that such a letter be included in that party's formal appeals brief or response. Such party-supporting letters shall be clearly marked as such, may not include new evidence, may not exceed three single-space pages in length, 12 point font or larger, and may address procedural issues only. Letters not meeting the requirements of this section will not be accepted without the approval of the BSR Chair or Vice Chair. Submitters of such letters do not have any special standing with respect to ANSI's appeals processes, are not considered parties to the appeal and do not have the right to address the adjudicating body at the hearing on the matter.

7.5 Hearing

The secretary of the BSR shall establish a panel consisting of at least five BSR members to hear the appeal, subject to applicable conflict of interest procedures.

A hearing date for an appeal shall be set by the secretary of the BSR after consultation with the Chair. However, a later date may be scheduled if mutually agreeable to the participants in the hearing. All parties shall be given at least fifteen- (15) working -days notice of the hearing date. ~~Panel~~BSR panel members shall receive copies of the appeals record at least fifteen- (15) working -days prior to the date of the appeals hearing. The ~~names~~name and affiliation of all speakers and any observers must be provided to the secretary of the BSR in advance of the hearing.

At the hearing, the appellant's position shall be presented first, followed by the respondent. Each side is then allowed to respond until their total allotted time is exhausted. A half hour total, for the initial presentation and subsequent responses, is allotted for each side, with a limit of three speakers per side. Additional time is allotted for a question and answer session directed by the panel. At the hearing, speakers are not permitted to make assertions about facts or issues not in the record- The hearing may not be recorded in any way. At the close of the question and answer period, the appeals panel shall go into executive (closed) session for the purpose of arriving at a decision.

Should any party at interest not be present at the hearing, the decision of the ~~BSR panel~~Board of Standards Review shall be based on the presentations made by the parties that are present at the hearing in addition to the written submissions on record.

7.6 Decision

~~Decisions~~Notice of a decision reached by the BSR appeals panels shall require a majority vote of the panel, shall represent the decision shall be sent by the secretary to the parties within fifteen (15) working days unless an extension is authorized by the Chair of the BSR, or, if the Chair is unavailable, by the Vice Chair of the BSR. The decision shall specify the outcome of the appeal, and shall be ~~provided to the BSR~~accompanied by an explanation of the reasons for their information. The Secretary of the BSR shall notify in writing both the appellants such outcome, and the respondent of the decision of the BSR and provide a short statement identifying the basis for the decision. The BSR action date will be the date of notification. specific relief granted, if any. The outcome of the appeal shall be announced in *Standards Action*.

7.7 Accessibility of documentation and decisions

A copy of the record on appeal (*i.e.*, appeals-related documents submitted by the parties to the appeal for consideration by the BSR, including party-supporting letters) shall be made available to any directly and materially affected person upon request. The costs associated with providing such documents shall be borne by the person seeking them.

7.8 Appeal of BSR actions

In accordance with the *ANSI Appeals Board Operating Procedures*, an appeal from a final appeals decision of the BSR may be filed with the Appeals Board by the appellant or respondent to the BSR appeal at issue.

7.9 Informal settlement

ANSI encourages settlement of disputes at any time if the settlement is consistent with the objectives of the *ANSI Essential Requirements*. Any settlement (to which the parties agree in writing) that is consistent with these procedures, or an agreement to withdraw the appeal, will terminate the appeal process. If the settlement leads to a substantive change in the standard, the change must be processed in accordance with the *ANSI Essential Requirements*.

ANSI Executive Standards Council

17 ExSC hearing of appeals

17.1 Right to appeal

All directly and materially affected persons⁶ have the right to appeal actions or inactions of the ExSC or its designee. Conclusion of the appeals process at the standards developer, or U.S. TAG, as the case may be, is not a precondition for filing an appeal with the ExSC of an organization's continuing accreditation status. Complaints concerning ANSI Audited Designators are governed by section 18 of these procedures and complaints concerning ANSI-Accredited U.S. TAGs to ISO are governed by section 19 of these procedures.

In connection with a new accreditation or reaccreditation⁷ action, ANSI will notify those (if any) on record at ANSI who have objected to the action during the formal ANSI public review period, of the right to appeal. Any other party wishing to appeal such an action may do so in accordance with these procedures, but will not be given notice by ANSI and must file as a separate appellant in order to preserve standing to appeal to the ANSI Appeals Board.

The ExSC may also hear appeals remanded or referred to the ExSC by the ANSI Appeals Board. Hearing of appeals by the ExSC shall be handled by a panel of at least five ExSC voting members established for each appeal. If five members of the ExSC are not available to serve on the panel, the Chair or the Vice Chair of the ExSC may appoint one or more additional panel members who shall be persons knowledgeable about the *ANSI Essential Requirements: Due process requirements for American National Standards (ANSI Essential Requirements)* or the *ANSI International Procedures*, as applicable, and the standards development process. Such appointment(s) of non-ExSC members shall be with the concurrence of all parties to the appeal. A majority of the members of the panel shall be members of the ExSC.

Pending a decision by the ExSC panel, the original decision of the ExSC shall remain in effect unless the ExSC determines otherwise. No party to an appeal may communicate with any unrecused member of the ANSI ExSC on the subject of the appeal while the matter is pending. All communications shall be directed to the secretary of the ANSI ExSC.

17.2 Appeal

All appeals shall be made in writing ~~and~~. Appeals and the required filing fee shall be directed to the secretary of the ANSI ExSC on or before midnight Eastern time of the due date. [The filing fee may be waived or reduced only upon sufficient evidence of hardship.](#)

The appeal shall be comprised of a brief statement of the matter and the reason(s) why the appellant believes the decision is in error. Specifically, the appeal should include as appropriate:

- a) a copy of the decision from which the appeal is taken;
- b) an explanation of the issue and the procedural history;

⁶ "Persons" includes organizations, companies, government agencies, individuals etc.

⁷ A "reaccreditation" action is the approval of revised procedures submitted by an ANSI-Accredited Standards Developer.

- c) arguments that explain why appellant believes the decision was in error;
- d) references to the provision(s) of the ANSI procedures upon which appellant relies;
- e) ~~documentary~~relevant evidence that directly supports appellant's position and upon which appellant relies; and
- f) the specific relief sought by appellant from the ~~Appeals Board~~ExSC.

The brief appeal statement (exclusive of exhibits) shall not be more than 30 pages, double-spaced, 12 point font or larger. The secretary of the ExSC shall have discretion to extend this limit for good cause shown.

~~The appeal shall be submitted to the secretary of the ExSC along with the required filing fee. The filing fee may be waived or reduced only upon sufficient evidence of hardship.~~ Unless otherwise instructed by the secretary of the ExSC, the appeal shall be sent via electronic means (with one complete hard copy mailed to ANSI) within fifteen- (15) working -days following the date of the decision that is the subject of the appeal or at any time with respect to an inaction by the ExSC or an appeal of ~~a developer's~~an organization's continuing status as an ANSI-Accredited Standards Developer, ~~or ANSI-Accredited U.S. TAG Administrator to ISO.~~ If the appellant is unable to provide the required appeals materials within the fifteen- (15) working -day deadline, an extension may be requested, with the grounds for such request noted. Such request must be directed to the secretary of the ExSC, within the fifteen- (15) working -day deadline or the appellant shall forfeit the right to appeal. Extensions of time to submit an appeal may be granted at the discretion of the Chair of the ExSC, or, if the Chair is unavailable, the Vice Chair of the ExSC or the secretary of the ExSC. No supplemental filing prior to the forthcoming hearing shall be permitted without a showing of good cause.

17.3 Response

The appeal shall be distributed by the secretary of the ExSC to the potential respondent (the party who must respond to the appeal) to allow them the opportunity to respond. Thereafter, this party shall have fifteen- (15) working -days to submit their response to the appeal on or before midnight Eastern time of the due date.

The response shall include:

- a) the reasons why respondent believes the decision under appeal was correct and a reference to the provisions in the ANSI procedures upon which the respondent relies; and
- b) ~~documentary~~relevant evidence that directly supports respondent's position and upon which respondent relies.

The brief response (exclusive of exhibits) shall not be more than 30 pages, double-spaced, 12 point font or larger. The secretary of the ExSC shall have discretion to extend this limit for good cause shown.

The response shall be distributed by the secretary of the ExSC to ExSC members, subject to applicable conflict of interest procedures, and to the appellant. No supplemental filing prior to the forthcoming hearing shall be permitted without a showing of good cause.

If the respondent is unable to provide the required response within fifteen- (15) working -days, an extension may be requested, with the grounds for such noted. Such request must be

directed to the secretary of the ExSC within the fifteen- (15) working -day deadline or the respondent shall forfeit the right to respond. Upon receipt of the response it shall be provided to the appellant for information only. No reply to the response prior to the forthcoming hearing shall be permitted without a showing of good cause. Extensions of time to submit a response may be granted at the discretion of the Chair of the ExSC, or, if the Chair is unavailable, the Vice Chair of the ExSC or the secretary of the ExSC.

17.4 Letters of support by non-parties to the appeal

A person or organization that is not a party to the appeal may submit a letter of support for a position taken by the appellant or respondent to the appeal by contacting that party and requesting that such a letter be included in that party's formal appeals brief or response.

Such party-supporting letters shall be clearly marked as such, may not include new evidence, may not exceed three single-space pages in length, 12 point font or larger, and may address procedural issues only. Letters not meeting the requirements of this section will not be accepted without the approval of the ExSC Chair or Vice Chair. Submitters of such letters do not have any special standing with respect to ANSI's appeals processes, are not considered parties to the appeal and do not have the right to address the adjudicating body at the hearing on the matter.

17.5 Hearing

The secretary of the ExSC shall establish a panel to hear the appeal, subject to applicable conflict of interest procedures.

A hearing date for an appeal shall be set by the secretary of the ExSC after consultation with the Chair. However, a later date may be scheduled if mutually agreeable to the participants in the hearing. All parties shall be given at least fifteen- (15) working -days notice of the hearing date. Panel members shall receive copies of the appeals record at least fifteen- (15) working -days prior to the date of the appeals hearing. The names and affiliation of all speakers and any observers must be provided to the secretary of the ExSC in advance of the hearing.

At the hearing, the appellant's position shall be presented first, followed by the respondent. Each side is then allowed to respond until their total allotted time is exhausted. A half hour total, for the initial presentation and subsequent responses, is allotted for each side, with a limit of three speakers per side. Additional time is allotted for a question and answer session directed by the panel. At the hearing, speakers are not permitted to make assertions about facts or issues not in the record. The hearing may not be recorded in any way. At the close of the question and answer period, the appeals panel shall go into executive (closed) session for the purpose of arriving at a decision.

Should any party at interest not be present at the hearing, the decision of the ExSC panel shall be based on the presentations made by the parties that are present at the hearing in addition to the written submissions on record.

17.6 Decision

Decisions of ExSC appeals panels shall require a majority vote of the panel, shall represent the decision of the ExSC, and shall be provided to the ExSC for their information. ~~The Secretary~~ Notice of a decision reached by the ExSC appeals panel shall notify in writing both the

~~sent by the appellant and secretary to the respondent of parties within fifteen (15) working days, unless an extension is authorized by the decision Chair of the ExSC and provide a short statement identifying, or, if the basis for Chair is unavailable, by the Vice Chair. The decision. The ExSC action date will be shall specify the date outcome of the appeal, and shall be accompanied by an explanation of notification the reasons for such outcome, and the specific relief granted, if any. The outcome of the appeal shall be announced in *Standards Action*.~~

18 ExSC Consideration of Complaints against ANSI Audited Designators

If a formal complaint is lodged against an Audited Designator, and said complaint relates to whether or not the developer should remain ANSI-accredited or retain the status of Audited Designator, the Executive Committee of the ExSC, in their discretion, shall determine whether such a complaint should be processed in accordance with (a) through (f) below or clause 17 ExSC *hearing of appeals of the Operating Procedures of the ANSI Executive Standards Council*.

All complaints shall be made in writing. Complaints and the required filing fee shall be directed to the secretary of the ANSI ExSC on or before midnight Eastern time of the due date. The filing fee may be waived or reduced only upon sufficient evidence of hardship.

If a formal complaint is lodged against an Audited Designator and the ExSC Executive Committee has decided not to implement clause 17, and if (i) the complaint relates to one or more specific approved American National Standards and (ii) the complainant has completed the appeals process(es) available at the Audited Designator, the ExSC shall handle the complaint in accordance with (a) through (f) below.

- (a) Upon receipt of a formal complaint, the ExSC shall review the complaint.
 - 1) If the complaint has not been submitted to ANSI (i) within 30 days after the complainant completed the appeals process(es) and received the final determination of the complainant's appeal at the Audited Designator or (ii) otherwise within a reasonable time of the challenged action of the Audited Designator, the ExSC shall, unless there are compelling circumstances, dismiss the complaint.
 - 2) If the complaint does not (i) specifically allege that the Audited Designator violated any of its accredited procedures and that any related appeals decision issued by the Audited Designator was clearly erroneous, and (ii) provide sufficient substantiation of facts to support such allegations to establish a *prima facie* case, the ExSC shall dismiss the complaint.
 - 3) If the complaint is technical in nature or relates to the content of a standard, the ExSC shall dismiss the complaint.
- (b) If the complaint is not dismissed pursuant to (a), the ExSC shall send a copy of the complaint to the Audited Designator and request a response to the allegations in the complaint. The ExSC, in its discretion, may ask the Audited Designator either for a general response or, if the ExSC is concerned with only certain of the allegations raised in the complaint, it may request a more limited response only to those areas of concern.
- (c) Upon receipt of the response from the Audited Designator, the ExSC shall do one of the following:
 - 1) If it determines that the complaint and the response taken together do not support a claim that the Audited Designator has violated its procedures, it shall dismiss the complaint.

- 2) If it determines that the complaint raises issues that merit further review, it shall refer the complaint with any special instructions to the audit team at the next regularly scheduled audit or take other appropriate action such as the scheduling of a hearing.
 - 3) If it determines that substantial and material reasons exist indicating immediate action may be necessary, it shall order an audit for cause or take other appropriate action such as initiating the withdrawal of accreditation or of the developer's Audited Designator status.
- (d) Any audit for cause shall be limited in scope to that which is necessary to reasonably investigate the complaint. Such audits, where appropriate, may be handled remotely, rather than through an on-site visit.
 - (e) Following any audit for cause, the Audited Designator shall receive a copy of the audit report and shall have the opportunity to provide a written response to the audit report. The results of any audit for cause and the response of the Audited Designator shall be reviewed by the ExSC, who shall determine what additional action, if any, shall be taken.
 - (f) The standards developer shall have full notice and an opportunity to be heard before the ExSC implements any adverse action against the standards developer.
 - (g) The ExSC's final action may be appealed to the ANSI Appeals Board.

19 ExSC Consideration of Complaints against ANSI-Accredited U.S. TAGs to ISO

If a formal complaint is lodged against an ANSI-Accredited U.S. TAG to ISO (U.S. TAG), the Executive Committee of the ExSC, in its discretion, shall determine whether such a complaint shall be processed in accordance with (a) through (f) below or clause 17 *ExSC hearing of appeals of the Operating Procedures of the ANSI Executive Standards Council*.

All complaints shall be made in writing. Complaints and the required filing fee shall be directed to the secretary of the ANSI ExSC on or before midnight Eastern time of the due date. The filing fee may be waived or reduced only upon sufficient evidence of hardship.

If a formal complaint is lodged against an ANSI-Accredited U.S. TAG to ISO (U.S. TAG), and if the complainant has completed the appeals process(es) available at the U.S. TAG, the ExSC may and the ExSC Executive Committee has decided not to implement clause 17, the ExSC shall handle the complaint as follows:

- (a) Upon receipt of a formal complaint, the ExSC shall review the complaint.
 - 1) If the complaint has not been brought within a reasonable time of the challenged action of the U.S. TAG, the ExSC shall, unless there are compelling circumstances, dismiss the complaint.
 - 2) If the Complaint is technical in nature or relates to the content of a standard and does not allege and provide substantiation of facts constituting a violation of any procedures under which the U.S. TAG is accredited to operate, the ExSC shall dismiss the complaint.
- (b) If the Complaint is not dismissed pursuant to (a), the ExSC shall send a copy of the complaint to the U.S. TAG Administrator and request a response to the allegations in the complaint. The ExSC, in its discretion, may ask the TAG Administrator either for a general response or, if it is concerned with only certain of the allegations raised in the complaint, it may request a more limited response only to those areas of concern.

- (c) Upon receipt of the response from the U.S. TAG, the ExSC shall do one of the following:
 - 1) if it determines that the complaint and the response taken together do not support a claim that the U.S. TAG has violated its procedures, it shall dismiss the complaint;
 - 2) if it determines that the complaint and the response taken together raise issues that merit further review, it shall take appropriate action such as schedule a hearing or order an audit for cause.
- (d) Any audit for cause shall be limited in scope to that which is necessary to reasonably investigate the complaint. Such audits, where appropriate, may be handled remotely, rather than through an on-site visit.
- (e) Following any audit for cause, the U.S. TAG Administrator shall receive a copy of the audit report and shall have the opportunity to provide a written response to the audit report. The results of any audit for cause and the response of the U.S. TAG shall be reviewed by the ExSC, who shall determine what additional action, if any, shall be taken. The U.S. TAG shall have full notice and an opportunity to be heard before the ExSC implements any adverse action against the U.S. TAG.
- (f) The ExSC's final action may be appealed to the ANSI Appeals Board.

20 Accessibility of documentation and decisions

A copy of the record on appeal (*i.e.*, appeals-related documents submitted by the parties to the appeal for consideration by the ExSC, including party-supporting letters) shall be made available to any directly and materially affected person upon request. The costs associated with providing such documents shall be borne by the person seeking them.

21 Appeal of ExSC actions

In accordance with the *ANSI Appeals Board Operating Procedures*, an appeal from a final ~~appeals~~appeal or complaint decision of the ExSC may be filed with the Appeals Board by the appellant or respondent to the ExSC appeal or complaint at issue.

22 Informal settlement

ANSI encourages settlement of disputes at any time if the settlement is consistent with the objectives of the ANSI procedures. Any settlement (to which the parties agree in writing) that is consistent with ANSI procedures, or an agreement to withdraw the appeal, will terminate the appeals process. If the settlement leads to a substantive change in a standard, the change shall be processed in accordance with the *ANSI Essential Requirements: Due process requirements for American National Standards*.

ExSC_029_A_2017

April 7, 2017 ANSI Standards Action

Draft Revisions to ANSI's Appeals Procedures: ANSI Appeals Board, ANSI Board of Standards Review (BSR) and ANSI Executive Standards Council (ExSC)

The proposed revisions that follow are the next iteration of the proposed revisions announced in 2016 as ExSC_053_2016. Note that some public comments received in response to ExSC_053_2016 were accepted and incorporated, while others were not.

Public comments are invited on new revisions as reflected in this document.

Please return any comments to psa@ansi.org by May 8, 2017.

ANSI Appeals Board**1 Authority and scope**

Authority to establish an appeals mechanism rests with the Board of Directors of the American National Standards Institute (ANSI) as provided in the Constitution and By-laws of ANSI. The Board of Directors has determined that the Appeals Board shall be the final level of appeal within ANSI.

The Appeals Board shall consider appeals by directly and materially affected persons¹ that have exhausted all other appeals available to them through ANSI and who believe they have been, or will be, adversely affected by a decision of ANSI, whether in the form of action or inaction, in the implementation of the following ANSI procedures:

ANSI-PR-004 Appeals

CAP-PL-301 Accreditation Policy for ANSI Certificate Accreditation Program

CFP-PL-801 Accreditation Policy for ANSI-CFP Accreditation Program

GHG-PL-701 Accreditation Policy for ANSI Greenhouse Gas Validation / Verification Body Accreditation Program

PCAC-PL-501 Accreditation Policy for Personnel Certification Accreditation Program

PRO-PL-102 Manual of Operations for Accreditation of Product Certification Programs

PRO-PR-106 Identification of Non-Conformities and Implementation of Corrective and Preventive Actions by Accredited and Applicant CBs

ANSI Auditing Policy and Procedures

ANSI Essential Requirements: Due process requirements for American National Standards

ANSI Procedures for the National Adoption of ISO and IEC Standards as American National Standards

ANSI Procedures for U.S. Participation in the International Standards Activities of the ISO, including Annex B, Criteria for the Development and Coordination of U.S. Positions in the International Standardization Activities of the ISO and IEC

Operating Procedures of the ANSI Board of Standards Review (BSR)

Operating Procedures of the ANSI Executive Standards Council (ExSC)

Operating Procedures of the United States National Committee of the International Electrotechnical Commission (IEC)

¹"Persons" includes organizations, companies, government agencies, individuals etc.

The Appeals Board shall consider an appeal based on the evidence before the body of ANSI that rendered the decision from which the appeal is taken (*e.g.*, ANSI Board of Standards Review, ANSI Executive Standards Council). The burden of persuasion shall rest with the appellant. Pending a decision by the Appeals Board, the decision from which the appeal is taken shall remain in effect, unless the Appeals Board expressly determines otherwise.

11 Appeals process

11.1 Appeal

All appeals shall be made in writing. Appeals and the required filing fee shall be directed to the secretary of the Appeals Board on or before midnight Eastern time of the due date. The filing fee may be waived or reduced only upon sufficient evidence of hardship. Except in a matter involving extraordinary circumstances, the Appeals Board shall only consider an appeal from a final decision of the ANSI body from which the appeal is taken. A refusal by an ANSI body to decide a matter within its jurisdiction, or undue delay by such body in reaching a decision, shall constitute “extraordinary circumstances.”

The appeal shall be comprised of a brief statement of the matter and the reason(s) why the appellant believes the decision is in error. Specifically, the appeal should include as appropriate:

- a) a copy of the decision from which the appeal is taken;
- b) an explanation of the issue and the procedural history;
- c) arguments that explain why appellant believes the decision was in error;
- d) references to the provision(s) of the ANSI procedures upon which appellant relies;
- e) relevant evidence that directly supports appellant’s position and upon which appellant relies²; and
- f) the specific relief sought by appellant from the Appeals Board.

The brief appeal statement (exclusive of exhibits) shall not be more than 30 pages, double-spaced, 12 point font or larger. The secretary of the Appeals Board shall have discretion to extend this limit for good cause shown.

Unless otherwise instructed by the secretary of the Appeals Board, the appeal shall be sent via electronic means (with one complete hard copy mailed to ANSI) within fifteen (15) working days following receipt by the appellant of the final decision that is the subject of the appeal. If the appellant is unable to provide the required appeals materials within the fifteen (15) working day deadline, an extension may be requested, with the grounds for such request noted. Such request must be directed to the secretary of the Appeals Board within the fifteen (15) working day deadline or the appellant shall forfeit the right to appeal. Extensions of time to submit an appeal statement may be granted at the discretion of the Chair of the Appeals Board, or, if the Chair is unavailable, the secretary of the Appeals Board.

The appeal filed with the Appeals Board, together with the record of the appeal before the body of ANSI that rendered the decision from which the appeal is taken, shall be distributed by letter

² If appropriate and persuasive evidence is presented that was not before the ANSI body that made the decision from which the appeal is taken, the Appeals Board may remand the case back to the ANSI body for review and determination of action to be taken. In such circumstances, the Appeals Board shall determine whether the decision being appealed shall remain in effect.

ballot by the secretary of the Appeals Board to Appeals Board members, subject to applicable conflict of interest procedures, and to the parties to the decision under appeal for their information. No party to an appeal may communicate with any unrecused member of the Appeals Board on the subject of the appeal while the matter is pending. All communications shall be directed to the secretary of the ANSI Appeals Board.

11.2 Appeals Board initial review

The Appeals Board shall determine by letter ballot whether the appellant has established a *prima facie* case that the decision appealed from was clearly erroneous. If the Appeals Board determines that a *prima facie* case has not been established, the secretary will so notify the appellant and the parties to the decision under appeal, in writing and the appeal will be dismissed thereby exhausting all appeals available through ANSI.

If the Appeals Board determines that a *prima facie* case has been established, it may either remand the matter for further consideration by the ANSI body from which the appeal was taken or set a date for a hearing at which further arguments will be received. If the Appeals Board chooses to set a hearing, the secretary of the Appeals Board will so notify all parties to the appeal that a hearing will be scheduled. No supplemental filing by the appellant prior to the forthcoming hearing shall be permitted without a showing of good cause and the express permission of the Appeals Board Chair.

11.3 Response

If the respondent (the party who must respond to the appeal) receives an Appeals Board determination that a *prima facie* case has been established and that a hearing will be scheduled, the respondent shall have fifteen (15) working days to submit a brief statement in response to the appeal on or before midnight Eastern time of the due date. Unless otherwise instructed by the secretary of the Appeals Board, the response shall be sent via electronic means (with one complete hard copy mailed to ANSI) within fifteen (15) working days following receipt by the respondent of the Appeals Board determination.

If the respondent is unable to provide the required response within fifteen (15) working days, an extension may be requested, with the grounds for such request noted. Such request must be directed to the secretary of the Appeals Board within the fifteen (15) working day deadline or the respondent shall forfeit the right to respond. Extensions of time to submit a response may be granted at the discretion of the Chair of the Appeals Board, or, if the Chair is unavailable, the secretary of the Appeals Board.

The response shall include:

- a) the reasons why respondent believes the decision under appeal was correct and a reference to the provisions in the ANSI procedures upon which the respondent relies; and
- b) relevant evidence that directly supports respondent's position and upon which respondent relies.

The brief response (exclusive of exhibits) shall not be more than 30 pages, double-spaced, 12 point font or larger. The secretary of the Appeals Board shall have discretion to extend this limit for good cause shown.

The response shall be distributed by the secretary of the Appeals Board to Appeals Board members, subject to applicable conflict of interest procedures, and to the appellant. No supplemental filing prior to the forthcoming hearing shall be permitted without a showing of good cause.

Panel members shall receive copies of the appeals record at least fifteen (15) working days prior to the date of the appeals hearing.

11.4 Letters of support by non-parties to the appeal

If the Appeals Board determines that a prima facie case has been established and a hearing will be held, a person or organization that is not a party to the appeal may submit a letter of support for a position taken by the appellant or respondent to the appeal by contacting that party and requesting that such a letter be included in that party's formal appeals brief or response. Such party-supporting letters shall be clearly marked as such, may not include new evidence, may not exceed three single-space pages in length, 12 point font or larger, and may address procedural issues only. Letters not meeting the requirements of this section will not be accepted without the approval of the Appeals Board Chair. Submitters of such letters do not have any special standing with respect to ANSI's appeals processes, are not considered parties to the appeal and do not have the right to address the adjudicating body at the hearing on the matter.

11.5 Hearing

A hearing date for an appeal shall be set by the secretary of the Appeals Board after consultation with the Chair. However, a later date may be scheduled if mutually agreeable to the participants in the hearing. All parties shall be given at least fifteen (15) working days notice of the hearing date. The name and affiliation of all speakers and any observers must be provided to the secretary of the Appeals Board in advance of the hearing.

At the hearing, the appellant's position shall be presented first, followed by the respondent. Each side is then allowed to respond until their total allotted time is exhausted. A half hour total, for the initial presentation and subsequent responses, is allotted for each side, with a limit of three speakers per side. Additional time is allotted for a question and answer session directed by the panel. At the hearing, speakers are not permitted to make assertions about facts or issues not in the record. The hearing may not be recorded in any way. At the close of the question and answer period, the appeals panel shall go into executive (closed) session for the purpose of arriving at a decision.

Should any party at interest not be present at the hearing, the decision of the Appeals Board shall be based on the presentations made by the parties that are present at the hearing in addition to the written submissions on record.

12 Appeals Board Decisions in General

Decisions of Appeals Board panels shall require a majority vote of the panel, shall represent the decision of the Appeals Board, and shall be provided to all Appeals Board members for their information. Except as noted in Section 13, in deciding an appeal, the Appeals Board has a broad range of remedial options, including dismissing, affirming, reversing and/or remanding (in whole or in part) and will fashion an appropriate remedy depending upon its findings and the stage of the appeal.

A decision reached by an Appeals Board panel following an initial review (see section 11.2) and in response to a staff-issued Letter Ballot regarding whether a *prima facie* case has been made that the decision appealed from was clearly erroneous is ordinarily sent by the secretary to the parties within fifteen (15) working days of the close of the Letter Ballot. If the Appeals Board's finding is that no *prima facie* case has been established, the decision ordinarily states only that that a *prima facie* case has not been made by the appellant and that the appeal is dismissed. If the Appeals Board's finding is that a *prima facie* case has been established, the Appeals Board will either remand the case with instructions to the ANSI body that issued the decision from which the appeal is taken or set a date for a hearing.

A decision reached by an Appeals Board panel after an appeals hearing, is ordinarily sent by the secretary to the parties within fifteen (15) working days of the hearing. The decision specifies the outcome of the appeal, the reasons for such outcome, and the specific relief granted, if any.

The outcome of all decisions reached by Appeals Board panels shall be announced in *Standards Action*.

13 Appeals Board decisions arising from Conformity Assessment Accreditation Programs

In the case of appeals arising from one of ANSI's conformity assessment accreditation programs, the Appeals Board, consistent with currently applicable requirements of ISO/IEC 17011, will not consider or determine whether a requirement of the applicable accreditation standard (e.g., ISO/IEC 17065) has been met. In an appeal arising from an ANSI conformity assessment accreditation program, the Appeals Board can only dismiss, affirm or remand a decision to the body that made the decision for further action. If the Appeals Board remands the decision back to the body that rendered the decision, it will do so with instructions to take further action.³

14 Reconsideration

Any party to an appeal for which a hearing was held may request reconsideration of an Appeals Board decision by sending a written request, not to exceed 10 pages in length, double-spaced, 12 point font or larger, to the secretary of the Appeals Board within ten (10) working days after notification of the Appeals Board decision. The opposing party will have ten (10) working days to file a reply, subject to the same page and format restrictions. The secretary of the Appeals Board shall have discretion to extend this limit for good cause shown.

³ Because the Appeals Board cannot make an accreditation decision for the purposes of ISO/IEC 17011, it cannot procedurally reverse a decision of an accreditation committee; instead it can only remand a decision to an accreditation committee with instructions to take further action.

The Appeals Board may entertain a request for reconsideration based upon claims of a mistake, oversight or error in the decision or any other like reason justifying relief from the implementation of the decision.

Once a decision on reconsideration is issued, no further requests for reconsideration will be accepted.

15 Accessibility of documentation and decisions

A copy of the record on appeal (*i.e.*, the appeals-related documents submitted by the parties to the appeal for consideration by the Appeals Board including party-supporting letters) shall be made available to any directly and materially affected person upon request. The costs associated with providing such documents shall be borne by the person seeking them.

16 Informal settlement

ANSI encourages settlement of disputes at any time if the settlement is consistent with the objectives of the ANSI procedures. Any settlement (to which the parties agree in writing) that is consistent with ANSI procedures, or an agreement to withdraw the appeal, will terminate the appeals process. If the settlement leads to a substantive change in a standard, the change shall be processed in accordance with the *ANSI Essential Requirements: Due process requirements for American National Standards*.

ANSI Board of Standards Review

7 Appeal of action on American National Standards

7.1 Right to appeal

All directly and materially affected persons⁴ who completed the appeals process at the standards developer level and whose position is included in the BSR documentation may appeal to the BSR a prior BSR decision regarding the approval or withdrawal of an American National Standard. The appeal shall be based on procedural criteria (see clause 4). The BSR will not render decisions on the relative merits of technical matters, but it shall consider whether due process was afforded technical concerns. The burden of persuasion shall rest with the appellant.

The BSR may also hear appeals remanded or referred to the BSR by the ANSI Appeals Board. Pending a decision by the BSR, the original decision of the BSR shall remain in effect unless the BSR determines otherwise. No party to an appeal may communicate with any unrecused member of the ANSI BSR on the subject of the appeal while the matter is pending. All communications shall be directed to the secretary of the ANSI BSR.

7.2 Appeal

All appeals shall be made in writing. Appeals and the required filing fee shall be directed to the secretary of the ANSI BSR on or before midnight Eastern time of the due date. The filing fee may be waived or reduced only upon sufficient evidence of hardship.

The appeal shall be comprised of a brief statement of the matter and the reason(s) why the appellant believes the decision is in error. Specifically, the appeal should include as appropriate:

- a) a copy of the decision from which the appeal is taken;
- b) an explanation of the issue and the procedural history;
- c) arguments that explain why appellant believes the decision was in error;
- d) references to the provision(s) of the ANSI procedures upon which appellant relies;
- e) relevant evidence that directly supports appellant's position and upon which appellant relies; and
- f) the specific relief sought by appellant from the BSR.

The brief appeal statement (exclusive of exhibits) shall not be more than 30 pages, double-spaced, 12 point font or larger. The secretary of the BSR shall have discretion to extend this limit for good cause shown.

Unless otherwise instructed by the secretary of the BSR, the appeal shall be sent via electronic means (with one complete hard copy mailed to ANSI) within fifteen (15) working days following the date of the decision that is the subject of the appeal. If the appellant is unable to provide the required appeals materials within the fifteen (15) working day deadline, an extension may be requested, with the grounds for such request noted. Such request must be directed to the secretary of the BSR, within the fifteen (15) working day deadline or the

⁴ "Persons" includes organizations, companies, government agencies, individuals etc.

appellant shall forfeit the right to appeal. No supplemental filing prior to the forthcoming hearing shall be permitted without a showing of good cause.

7.3 Response

The appeal shall be distributed by the secretary of the BSR to the potential respondent (the party who must respond to the appeal) to allow them the opportunity to respond, if they so desire. Thereafter, this party shall have fifteen (15) working days to submit their response to the appeal on or before midnight Eastern time of the due date.

The response shall include:

- a) the reasons why respondent believes the decision under appeal was correct and a reference to the provisions in the ANSI procedures upon which the respondent relies; and
- b) relevant evidence that directly supports respondent's position and upon which respondent relies.

The brief response (exclusive of exhibits) shall not be more than 30 pages, double-spaced, 12 point font or larger. The secretary of the BSR shall have discretion to extend this limit for good cause shown.

The response shall be distributed by the secretary of the BSR to BSR members, subject to applicable conflict of interest procedures, and to the appellant. No supplemental filing prior to the forthcoming hearing shall be permitted without a showing of good cause.

If the respondent is unable to provide the required response within fifteen (15) working days, an extension may be requested, with the grounds for such noted. Such request must be directed to the secretary of the BSR within the fifteen (15) working day deadline or the respondent shall forfeit the right to respond. Extensions of time to submit a response may be granted at the discretion of the Chair of the BSR, or, if the Chair is unavailable, the Vice Chair of the BSR or the secretary of the BSR.

7.4 Letters of support by non-parties to the appeal

A person or organization that is not a party to the appeal may submit a letter of support for a position taken by the appellant or respondent to the appeal by contacting that party and requesting that such a letter be included in that party's formal appeals brief or response.

Such party-supporting letters shall be clearly marked as such, may not include new evidence, may not exceed three single-space pages in length, 12 point font or larger, and may address procedural issues only. Letters not meeting the requirements of this section will not be accepted without the approval of the BSR Chair or Vice Chair. Submitters of such letters do not have any special standing with respect to ANSI's appeals processes, are not considered parties to the appeal and do not have the right to address the adjudicating body at the hearing on the matter.

7.5 Hearing

The secretary of the BSR shall establish a panel consisting of at least five BSR members to hear the appeal, subject to applicable conflict of interest procedures.

A hearing date for an appeal shall be set by the secretary of the BSR after consultation with the Chair. However, a later date may be scheduled if mutually agreeable to the participants in the hearing. All parties shall be given at least fifteen (15) working days notice of the hearing date. BSR panel members shall receive copies of the appeals record at least fifteen (15) working days prior to the date of the appeals hearing. The name and affiliation of all speakers and any observers must be provided to the secretary of the BSR in advance of the hearing.

At the hearing, the appellant's position shall be presented first, followed by the respondent. Each side is then allowed to respond until their total allotted time is exhausted. A half hour total, for the initial presentation and subsequent responses, is allotted for each side, with a limit of three speakers per side. Additional time is allotted for a question and answer session directed by the panel. At the hearing, speakers are not permitted to make assertions about facts or issues not in the record. The hearing may not be recorded in any way. At the close of the question and answer period, the appeals panel shall go into executive (closed) session for the purpose of arriving at a decision.

Should any party at interest not be present at the hearing, the decision of the Board of Standards Review shall be based on the presentations made by the parties that are present at the hearing in addition to the written submissions on record.

7.6 Decision

Notice of a decision reached by the BSR appeals panel shall be sent by the secretary to the parties within fifteen (15) working days unless an extension is authorized by the Chair of the BSR, or, if the Chair is unavailable, by the Vice Chair of the BSR. The decision shall specify the outcome of the appeal, and shall be accompanied by an explanation of the reasons for such outcome, and the specific relief granted, if any. The outcome of the appeal shall be announced in *Standards Action*.

7.7 Accessibility of documentation and decisions

A copy of the record on appeal (*i.e.*, appeals-related documents submitted by the parties to the appeal for consideration by the BSR, including party-supporting letters) shall be made available to any directly and materially affected person upon request. The costs associated with providing such documents shall be borne by the person seeking them.

7.8 Appeal of BSR actions

In accordance with the *ANSI Appeals Board Operating Procedures*, an appeal from a final appeals decision of the BSR may be filed with the Appeals Board by the appellant or respondent to the BSR appeal at issue.

7.9 Informal settlement

ANSI encourages settlement of disputes at any time if the settlement is consistent with the objectives of the *ANSI Essential Requirements*. Any settlement (to which the parties agree in writing) that is consistent with these procedures, or an agreement to withdraw the appeal, will terminate the appeal process. If the settlement leads to a substantive change in the standard, the change must be processed in accordance with the *ANSI Essential Requirements*.

ANSI Executive Standards Council

17 ExSC hearing of appeals

17.1 Right to appeal

All directly and materially affected persons⁵ have the right to appeal actions or inactions of the ExSC or its designee. Conclusion of the appeals process at the standards developer, or U.S. TAG, as the case may be, is not a precondition for filing an appeal with the ExSC of an organization's continuing accreditation status. Complaints concerning ANSI Audited Designators are governed by section 18 of these procedures and complaints concerning ANSI-Accredited U.S. TAGs to ISO are governed by section 19 of these procedures.

In connection with a new accreditation or reaccreditation⁶ action, ANSI will notify those (if any) on record at ANSI who have objected to the action during the formal ANSI public review period, of the right to appeal. Any other party wishing to appeal such an action may do so in accordance with these procedures, but will not be given notice by ANSI and must file as a separate appellant in order to preserve standing to appeal to the ANSI Appeals Board.

The ExSC may also hear appeals remanded or referred to the ExSC by the ANSI Appeals Board. Hearing of appeals by the ExSC shall be handled by a panel of at least five ExSC voting members established for each appeal. If five members of the ExSC are not available to serve on the panel, the Chair or the Vice Chair of the ExSC may appoint one or more additional panel members who shall be persons knowledgeable about the *ANSI Essential Requirements: Due process requirements for American National Standards (ANSI Essential Requirements)* or the *ANSI International Procedures*, as applicable, and the standards development process. Such appointment(s) of non-ExSC members shall be with the concurrence of all parties to the appeal. A majority of the members of the panel shall be members of the ExSC.

Pending a decision by the ExSC panel, the original decision of the ExSC shall remain in effect unless the ExSC determines otherwise. No party to an appeal may communicate with any unrecused member of the ANSI ExSC on the subject of the appeal while the matter is pending. All communications shall be directed to the secretary of the ANSI ExSC.

17.2 Appeal

All appeals shall be made in writing. Appeals and the required filing fee shall be directed to the secretary of the ANSI ExSC on or before midnight Eastern time of the due date. The filing fee may be waived or reduced only upon sufficient evidence of hardship.

The appeal shall be comprised of a brief statement of the matter and the reason(s) why the appellant believes the decision is in error. Specifically, the appeal should include as appropriate:

- a) a copy of the decision from which the appeal is taken;
- b) an explanation of the issue and the procedural history;

⁵ "Persons" includes organizations, companies, government agencies, individuals etc.

⁶ A "reaccreditation" action is the approval of revised procedures submitted by an ANSI-Accredited Standards Developer.

- c) arguments that explain why appellant believes the decision was in error;
- d) references to the provision(s) of the ANSI procedures upon which appellant relies;
- e) relevant evidence that directly supports appellant's position and upon which appellant relies; and
- f) the specific relief sought by appellant from the ExSC.

The brief appeal statement (exclusive of exhibits) shall not be more than 30 pages, double-spaced, 12 point font or larger. The secretary of the ExSC shall have discretion to extend this limit for good cause shown.

Unless otherwise instructed by the secretary of the ExSC, the appeal shall be sent via electronic means (with one complete hard copy mailed to ANSI) within fifteen (15) working days following the date of the decision that is the subject of the appeal or at any time with respect to an inaction by the ExSC or an appeal of an organization's continuing status as an ANSI-Accredited Standards Developer or ANSI-Accredited U.S. TAG Administrator to ISO. If the appellant is unable to provide the required appeals materials within the fifteen (15) working day deadline, an extension may be requested, with the grounds for such request noted. Such request must be directed to the secretary of the ExSC, within the fifteen (15) working day deadline or the appellant shall forfeit the right to appeal. Extensions of time to submit an appeal may be granted at the discretion of the Chair of the ExSC, or, if the Chair is unavailable, the Vice Chair of the ExSC or the secretary of the ExSC. No supplemental filing prior to the forthcoming hearing shall be permitted without a showing of good cause.

17.3 Response

The appeal shall be distributed by the secretary of the ExSC to the potential respondent (the party who must respond to the appeal) to allow them the opportunity to respond. Thereafter, this party shall have fifteen (15) working days to submit their response to the appeal on or before midnight Eastern time of the due date.

The response shall include:

- a) the reasons why respondent believes the decision under appeal was correct and a reference to the provisions in the ANSI procedures upon which the respondent relies; and
- b) relevant evidence that directly supports respondent's position and upon which respondent relies.

The brief response (exclusive of exhibits) shall not be more than 30 pages, double-spaced, 12 point font or larger. The secretary of the ExSC shall have discretion to extend this limit for good cause shown.

The response shall be distributed by the secretary of the ExSC to ExSC members, subject to applicable conflict of interest procedures, and to the appellant. No supplemental filing prior to the forthcoming hearing shall be permitted without a showing of good cause.

If the respondent is unable to provide the required response within fifteen (15) working days, an extension may be requested, with the grounds for such noted. Such request must be directed to the secretary of the ExSC within the fifteen (15) working day deadline or the respondent shall forfeit the right to respond. Upon receipt of the response it shall be provided to the appellant

for information only. No reply to the response prior to the forthcoming hearing shall be permitted without a showing of good cause. Extensions of time to submit a response may be granted at the discretion of the Chair of the ExSC, or, if the Chair is unavailable, the Vice Chair of the ExSC or the secretary of the ExSC.

17.4 Letters of support by non-parties to the appeal

A person or organization that is not a party to the appeal may submit a letter of support for a position taken by the appellant or respondent to the appeal by contacting that party and requesting that such a letter be included in that party's formal appeals brief or response.

Such party-supporting letters shall be clearly marked as such, may not include new evidence, may not exceed three single-space pages in length, 12 point font or larger, and may address procedural issues only. Letters not meeting the requirements of this section will not be accepted without the approval of the ExSC Chair or Vice Chair. Submitters of such letters do not have any special standing with respect to ANSI's appeals processes, are not considered parties to the appeal and do not have the right to address the adjudicating body at the hearing on the matter.

17.5 Hearing

The secretary of the ExSC shall establish a panel to hear the appeal, subject to applicable conflict of interest procedures.

A hearing date for an appeal shall be set by the secretary of the ExSC after consultation with the Chair. However, a later date may be scheduled if mutually agreeable to the participants in the hearing. All parties shall be given at least fifteen (15) working days notice of the hearing date. Panel members shall receive copies of the appeals record at least fifteen (15) working days prior to the date of the appeals hearing. The names and affiliation of all speakers and any observers must be provided to the secretary of the ExSC in advance of the hearing.

At the hearing, the appellant's position shall be presented first, followed by the respondent. Each side is then allowed to respond until their total allotted time is exhausted. A half hour total, for the initial presentation and subsequent responses, is allotted for each side, with a limit of three speakers per side. Additional time is allotted for a question and answer session directed by the panel. At the hearing, speakers are not permitted to make assertions about facts or issues not in the record. The hearing may not be recorded in any way. At the close of the question and answer period, the appeals panel shall go into executive (closed) session for the purpose of arriving at a decision.

Should any party at interest not be present at the hearing, the decision of the ExSC panel shall be based on the presentations made by the parties that are present at the hearing in addition to the written submissions on record.

17.6 Decision

Decisions of ExSC appeals panels shall require a majority vote of the panel, shall represent the decision of the ExSC, and shall be provided to the ExSC for their information. Notice of a decision reached by the ExSC appeals panel shall be sent by the secretary to the parties within fifteen (15) working days, unless an extension is authorized by the Chair of the ExSC, or, if the Chair is unavailable, by the Vice Chair. The decision shall specify the outcome of the appeal, and

shall be accompanied by an explanation of the reasons for such outcome, and the specific relief granted, if any. The outcome of the appeal shall be announced in *Standards Action*.

18 ExSC Consideration of Complaints against ANSI Audited Designators

If a formal complaint is lodged against an Audited Designator, and said complaint relates to whether or not the developer should remain ANSI-accredited or retain the status of Audited Designator, the Executive Committee of the ExSC, in their discretion, shall determine whether such a complaint should be processed in accordance with (a) through (f) below or clause 17 *ExSC hearing of appeals* of the *Operating Procedures of the ANSI Executive Standards Council*.

All complaints shall be made in writing. Complaints and the required filing fee shall be directed to the secretary of the ANSI ExSC on or before midnight Eastern time of the due date. The filing fee may be waived or reduced only upon sufficient evidence of hardship.

If a formal complaint is lodged against an Audited Designator and the ExSC Executive Committee has decided not to implement clause 17, and if (i) the complaint relates to one or more specific approved American National Standards and (ii) the complainant has completed the appeals process(es) available at the Audited Designator, the ExSC shall handle the complaint in accordance with (a) through (f) below.

- (a) Upon receipt of a formal complaint, the ExSC shall review the complaint.
 - 1) If the complaint has not been submitted to ANSI (i) within 30 days after the complainant completed the appeals process(es) and received the final determination of the complainant's appeal at the Audited Designator or (ii) otherwise within a reasonable time of the challenged action of the Audited Designator, the ExSC shall, unless there are compelling circumstances, dismiss the complaint.
 - 2) If the complaint does not (i) specifically allege that the Audited Designator violated any of its accredited procedures and that any related appeals decision issued by the Audited Designator was clearly erroneous, and (ii) provide sufficient substantiation of facts to support such allegations to establish a *prima facie* case, the ExSC shall dismiss the complaint.
 - 3) If the complaint is technical in nature or relates to the content of a standard, the ExSC shall dismiss the complaint.
- (b) If the complaint is not dismissed pursuant to (a), the ExSC shall send a copy of the complaint to the Audited Designator and request a response to the allegations in the complaint. The ExSC, in its discretion, may ask the Audited Designator either for a general response or, if the ExSC is concerned with only certain of the allegations raised in the complaint, it may request a more limited response only to those areas of concern.
- (c) Upon receipt of the response from the Audited Designator, the ExSC shall do one of the following:
 - 1) If it determines that the complaint and the response taken together do not support a claim that the Audited Designator has violated its procedures, it shall dismiss the complaint.
 - 2) If it determines that the complaint raises issues that merit further review, it shall refer the complaint with any special instructions to the audit team at the next regularly scheduled audit or take other appropriate action such as the scheduling of a hearing.
 - 3) If it determines that substantial and material reasons exist indicating immediate action may be necessary, it shall order an audit for cause or take other appropriate

action such as initiating the withdrawal of accreditation or of the developer's Audited Designator status.

- (d) Any audit for cause shall be limited in scope to that which is necessary to reasonably investigate the complaint. Such audits, where appropriate, may be handled remotely, rather than through an on-site visit.
- (e) Following any audit for cause, the Audited Designator shall receive a copy of the audit report and shall have the opportunity to provide a written response to the audit report. The results of any audit for cause and the response of the Audited Designator shall be reviewed by the ExSC, who shall determine what additional action, if any, shall be taken.
- (f) The standards developer shall have full notice and an opportunity to be heard before the ExSC implements any adverse action against the standards developer.
- (g) The ExSC's final action may be appealed to the ANSI Appeals Board.

19 ExSC Consideration of Complaints against ANSI-Accredited U.S. TAGs to ISO

If a formal complaint is lodged against an ANSI-Accredited U.S. TAG to ISO (U.S. TAG), the Executive Committee of the ExSC, in its discretion, shall determine whether such a complaint shall be processed in accordance with (a) through (f) below or clause 17 *ExSC hearing of appeals of the Operating Procedures of the ANSI Executive Standards Council*.

All complaints shall be made in writing. Complaints and the required filing fee shall be directed to the secretary of the ANSI ExSC on or before midnight Eastern time of the due date. The filing fee may be waived or reduced only upon sufficient evidence of hardship.

If a formal complaint is lodged against an ANSI-Accredited U.S. TAG to ISO (U.S. TAG), and if the complainant has completed the appeals process(es) available at the U.S. TAG and the ExSC Executive Committee has decided not to implement clause 17, the ExSC shall handle the complaint as follows:

- (a) Upon receipt of a formal complaint, the ExSC shall review the complaint.
 - 1) If the complaint has not been brought within a reasonable time of the challenged action of the U.S. TAG, the ExSC shall, unless there are compelling circumstances, dismiss the complaint.
 - 2) If the Complaint is technical in nature or relates to the content of a standard and does not allege and provide substantiation of facts constituting a violation of any procedures under which the U.S. TAG is accredited to operate, the ExSC shall dismiss the complaint.
- (b) If the Complaint is not dismissed pursuant to (a), the ExSC shall send a copy of the complaint to the U.S. TAG Administrator and request a response to the allegations in the complaint. The ExSC, in its discretion, may ask the TAG Administrator either for a general response or, if it is concerned with only certain of the allegations raised in the complaint, it may request a more limited response only to those areas of concern.
- (c) Upon receipt of the response from the U.S. TAG, the ExSC shall do one of the following:
 - 1) if it determines that the complaint and the response taken together do not support a claim that the U.S. TAG has violated its procedures, it shall dismiss the complaint;

- 2) if it determines that the complaint and the response taken together raise issues that merit further review, it shall take appropriate action such as schedule a hearing or order an audit for cause.
- (d) Any audit for cause shall be limited in scope to that which is necessary to reasonably investigate the complaint. Such audits, where appropriate, may be handled remotely, rather than through an on-site visit.
 - (e) Following any audit for cause, the U.S. TAG Administrator shall receive a copy of the audit report and shall have the opportunity to provide a written response to the audit report. The results of any audit for cause and the response of the U.S. TAG shall be reviewed by the ExSC, who shall determine what additional action, if any, shall be taken. The U.S. TAG shall have full notice and an opportunity to be heard before the ExSC implements any adverse action against the U.S. TAG.
 - (f) The ExSC's final action may be appealed to the ANSI Appeals Board.

20 Accessibility of documentation and decisions

A copy of the record on appeal (*i.e.*, appeals-related documents submitted by the parties to the appeal for consideration by the ExSC, including party-supporting letters) shall be made available to any directly and materially affected person upon request. The costs associated with providing such documents shall be borne by the person seeking them.

21 Appeal of ExSC actions

In accordance with the *ANSI Appeals Board Operating Procedures*, an appeal from a final appeal or complaint decision of the ExSC may be filed with the Appeals Board by the appellant or respondent to the ExSC appeal or complaint at issue.

22 Informal settlement

ANSI encourages settlement of disputes at any time if the settlement is consistent with the objectives of the ANSI procedures. Any settlement (to which the parties agree in writing) that is consistent with ANSI procedures, or an agreement to withdraw the appeal, will terminate the appeals process. If the settlement leads to a substantive change in a standard, the change shall be processed in accordance with the *ANSI Essential Requirements: Due process requirements for American National Standards*.