

ANSI STANDARDS ACTION

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American National Standards

Call for comment on proposals listed

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

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: July 3, 2005

UL (Underwriters Laboratories, Inc.)

New Standards

BSR/UL 539-200x, Single and Multiple Station Heat Detectors (proposals dated 06/03/05) (new standard)

These requirements cover heat-activated, mechanically- or gas-operated, single- and multiple-station heat detectors intended for indoor installation.

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

Send comments (with copy to BSR) to: Kristin Andrews, UL-CA, kristin.l.andrews@us.ul.com

Revisions

BSR/UL 514C-200x, Standard for Safety for Nonmetallic Outlet Boxes, Flush-Device Boxes, and Covers (revision of ANSI/UL 514C-2004)

Modifies requirements for nonmetallic boxes that are intended for fixture support.

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

Send comments (with copy to BSR) to: Susan Malohn, UL-IL; Susan.P.Malohn@us.ul.com

BSR/UL 864-200x, Control Units and Accessories for Fire Alarm Systems (proposals dated 6/3/05) (revision of ANSI/UL 864-2003)

This recirculation proposal document includes revisions to 40.3.2.12 and 40.4.7 in response to comments received on proposals dated 11/19/04.

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

Send comments (with copy to BSR) to: Randi Myers, UL-CA; randi.k.myers@us.ul.com

Comment Deadline: July 18, 2005

ATIS (ASC O5) (Alliance for Telecommunications Industry Solutions)

Revisions

BSR O5.1-200x, Specifications and Dimensions (for Wood Poles) (revision of ANSI O5.1-2002)

Provides minimum specifications for quality and dimensions of wood poles that are to be used in single-pole utility structures.

Single copy price: \$30.00

Obtain an electronic copy from: sbarclay@atis.org

Order from: Steve Barclay, ATIS; sbarclay@atis.org

Send comments (with copy to BSR) to: Same

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

New National Adoptions

INCITS/ISO/IEC 9798-5-2004, Information technology - Security techniques - Entity authentication - Part 5: Mechanisms using zero-knowledge techniques (identical national adoption)

This part of ISO/IEC 9798 specifies entity authentication mechanisms using zero-knowledge techniques.

- Clause 5 specifies mechanisms (already present in the first edition, ISO/IEC 9798-4:1999) based on identities and providing unilateral authentication. They have been repaired after the withdrawal of ISO/IEC 9796:1991.

- Clause 6 specifies mechanisms (inserted in this second edition) based on integer factorization and providing unilateral authentication, etc.

Single copy price: \$118.00

Obtain an electronic copy from: ANSI;

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Order from: Global Engineering Documents; <http://www.global.ihs.com>

Send comments (with copy to BSR) to: Barbara Bennett, ITI (INCITS); bbennett@itic.org

INCITS/ISO/IEC 10118-3-2003, Information technology - Security techniques - Hash-functions - Part 3: Dedicated hash-functions (identical national adoption)

This part of ISO/IEC 10118 specifies dedicated hash-functions, i.e., specially designed hash-functions. The hash-functions in this part of ISO/IEC 10118 are based on the iterative use of a round-function. Seven distinct round-functions are specified, giving rise to distinct dedicated hash-functions.

Single copy price: \$81.00

Obtain an electronic copy from: ANSI;

<http://webstore.ansi.org/ansidocstore/find.asp?>

Order from: Global Engineering Documents; <http://www.global.ihs.com>

Send comments (with copy to BSR) to: Barbara Bennett, ITI (INCITS); bbennett@itic.org

INCITS/ISO/IEC 13335-1-2004, Information technology - Security techniques - Management of information and communications technology security - Part 1: Concepts and models for information and communications technology security management (identical national adoption)

ISO/IEC 13335 contains guidance on the management of ICT security. Part 1 of ISO/IEC 13335 presents the concepts and models fundamental to a basic understanding of ICT security, and addresses the general management issues that are essential to the successful planning, implementation and operation of ICT security.

Single copy price: \$92.00

Obtain an electronic copy from: ANSI;

<http://webstore.ansi.org/ansidocstore/find.asp?>

Order from: Global Engineering Documents; <http://www.global.ihs.com>

Send comments (with copy to BSR) to: Barbara Bennett, ITI (INCITS); bbennett@itic.org

INCITS/ISO/IEC 13888-1-200x, Information technology - Security techniques - Non-repudiation - Part 1: General (identical national adoption)

This part of ISO/IEC 13888 serves as a general model for subsequent parts specifying non-repudiation mechanisms using cryptographic techniques. This multipart International Standard provides non-repudiation mechanisms for the following phases of non-repudiation:

- Evidence generation;
- Evidence transfer, storage and retrieval; and
- Evidence verification.

Dispute arbitration is outside the scope of this International Standard.

Single copy price: \$67.00

Obtain an electronic copy from: ANSI;

<http://webstore.ansi.org/ansidocstore/find.asp?>

Order from: Global Engineering Documents; <http://www.global.ihs.com>

Send comments (with copy to BSR) to: Barbara Bennett, ITI (INCITS); bbennett@itic.org

INCITS/ISO/IEC 15444-1-2004 (R200x), Information technology - JPEG 2000 image coding system: Core coding system (identical national adoption)

This Recommendation/International Standard defines a set of lossless (bit-preserving) and lossy compression methods for coding bi-level, continuous-tone grey-scale, palletized color, or continuous-tone color digital still images.

Single copy price: \$192.00

Obtain an electronic copy from: ANSI;
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Order from: Global Engineering Documents; <http://www.global.ihs.com>
Send comments (with copy to BSR) to: Deborah Spittle, ITI (INCITS);
dspittle@itic.org

Reaffirmations

BSR INCITS 47-1988 (R200x), Codes - Structure and Data Requirements for the Identification of Named Populated Places, Primary County Divisions, and Other Locational Entities of the United States and Its Outlying and Associated Areas for Information Interchange (reaffirmation of ANSI INCITS 47-1988 (R2000))

Establishes a structure for the assignment of identifying data codes to locational entities in the United States and its outlying and associated areas, for the purpose of information interchange among data-processing systems. Types of locational entities for which this structure is intended include (but are not limited to) populated places, primary county divisions such as townships and New England towns, Indian reservations, and facilities such as airports and military bases. This standard also establishes requirements for associated data that improve the utility of the primary data codes.

Single copy price: \$18.00

Obtain an electronic copy from: ANSI;
<http://webstore.ansi.org/ansidocstore/find.asp>

Order from: Global Engineering Documents; <http://www.global.ihs.com>
Send comments (with copy to BSR) to: Barbara Bennett, ITI (INCITS);
bbennett@itic.org

BSR INCITS 83-1995 (R200x), Information Systems - ISO Registration According to ISO 2375 - ANSI Sponsorship Procedures (reaffirmation of ANSI INCITS 83-1995 (R2000))

Specifies the procedure to be followed in submitting proposals for character sets for ANSI sponsorship for submission to the ISO Registration Authority for processing in accordance with the ISO procedure for registration.

Single copy price: \$18.00

Obtain an electronic copy from: ANSI;
<http://webstore.ansi.org/ansidocstore/find.asp>

Order from: Global Engineering Documents; <http://www.global.ihs.com>
Send comments (with copy to BSR) to: Deborah Spittle, ITI (INCITS);
dspittle@itic.org

BSR INCITS 124.3-1989 (R200x), Computer Graphics - Graphical Kernel System (GKS), Ada Binding (reaffirmation of ANSI INCITS 124.3-1989 (R2000))

The Graphical Kernel System (GKS), as described in ANSI INCITS 124-1985, specifies a language-independent nucleus of a graphics system. For integration into a programming language, GKS, is embedded in a language-independent layer obeying the particular conventions of that language. This document specifies such a language-dependent layer for the Ada language.

Single copy price: \$18.00

Obtain an electronic copy from: ANSI;
<http://webstore.ansi.org/ansidocstore/find.asp>

Order from: Global Engineering Documents; <http://www.global.ihs.com>
Send comments (with copy to BSR) to: Parthenia Purnell, ITI (INCITS);
ppurnell@itic.org

INCITS/ISO 8485-1989 (R200x), Programming Languages - APL (reaffirmation of INCITS/ISO 8485-1989)

This standard defines the programming language APL and the environment in which APL programs are executed. Its purpose is to facilitate interchange and promote portability of APL programs and programming skills.

Single copy price: \$18.00

Obtain an electronic copy from: ANSI;
<http://webstore.ansi.org/ansidocstore/find.asp>

Order from: Global Engineering Documents; <http://www.global.ihs.com>
Send comments (with copy to BSR) to: Deborah Spittle, ITI (INCITS);
dspittle@itic.org

INCITS/ISO/IEC 7816-6-1996 AM1-2000 (R200x), Identification Cards - Integrated Circuit(s) Cards with Contacts - Part 6: Interindustry Data Elements - Amendment 1: IC Manufacturer's Register (reaffirmation of INCITS/ISO/IEC 7816-6-1996/AM1-2000)

Specifies the numbering system, the rules for assignment, and the assigned values to identify manufacturers of integrated circuits used in contact and/or contactless integrated circuit cards.

Single copy price: \$18.00

Obtain an electronic copy from: ANSI;
<http://webstore.ansi.org/ansidocstore/find.asp>

Order from: Global Engineering Documents; <http://www.global.ihs.com>
Send comments (with copy to BSR) to: Deborah Spittle, ITI (INCITS);
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INCITS/ISO/IEC 7816-1-1998 (R200x), Identification Cards - Optical Memory Cards - Integrated Circuit(s) Cards with Contacts - Part 1: Physical Characteristics (reaffirmation of INCITS/ISO/IEC 7816-1-1998)

This part of ISO/IEC 7816 specifies the physical characteristics of integrated circuit(s) cards with contacts. It applies to identification cards of the ID-1 card type, which may include embossing and/or a magnetic stripe as specified in ISO/IEC 7811-1 to ISO/IEC 7811-6.

Single copy price: \$18.00

Obtain an electronic copy from: ANSI;
<http://webstore.ansi.org/ansidocstore/find.asp>

Order from: Global Engineering Documents; <http://www.global.ihs.com>
Send comments (with copy to BSR) to: Deborah Spittle, ITI (INCITS);
dspittle@itic.org

INCITS/ISO/IEC 7816-2-1999 (R200x), Information Technology - Identification Cards - Optical Memory Cards - Integrated Circuit(s) Cards with Contacts - Part 2: Dimensions and Location of the Contacts (reaffirmation of INCITS/ISO/IEC 7816-2-1999)

This part of ISO/IEC 7816 specifies the dimensions, locations and assignment for each of the contacts on integrated circuit(s) cards of an ID-1 card type.

Single copy price: \$18.00

Obtain an electronic copy from: ANSI;
<http://webstore.ansi.org/ansidocstore/find.asp>

Order from: Global Engineering Documents; <http://www.global.ihs.com>
Send comments (with copy to BSR) to: Deborah Spittle, ITI (INCITS);
dspittle@itic.org

INCITS/ISO/IEC 7816-7-1999 (R200x), Identification Cards - Integrated Circuit(s) Cards with Contacts - Part 7: Interindustry Commands for Structured Card Query Language (SCQL) (reaffirmation of INCITS/ISO/IEC 7816-7-1999)

Specifies the concept of a SCQL database (SCQL = Structured Card Query Language based on SQL, see ISO 9075) and the related interindustry enhanced commands.

Single copy price: \$16.00

Obtain an electronic copy from: ANSI;
<http://webstore.ansi.org/ansidocstore/find.asp>

Order from: Global Engineering Documents; <http://www.global.ihs.com>
Send comments (with copy to BSR) to: Deborah Spittle, ITI (INCITS);
dspittle@itic.org

INCITS/ISO/IEC 7816-8-1999 (R200x), Identification Cards - Integrated Circuit(s) Cards with Contacts - Part 8: Security Related Interindustry Commands (reaffirmation of INCITS/ISO/IEC 7816-8-1999)

Specifies:

- security protocols for use in cards;
- secure messaging extensions;
- the mapping of the security mechanisms onto the card's security functions/services, including a description of the in-card security mechanisms;
- data elements for security support;
- the use of algorithms implemented on the card (though the algorithms themselves are not described in detail);
- the use of certificates; and
- security related commands.

This part of ISO/IEC 7816 does not cover the internal implementation within the card and/or the outside world.

Single copy price: \$18.00

Obtain an electronic copy from: ANSI;
[http://webstore.ansi.org/ansidocstore/find.asp?](http://webstore.ansi.org/ansidocstore/find.asp)

Order from: Global Engineering Documents; <http://www.global.ihs.com>
 Send comments (with copy to BSR) to: Deborah Spittle, ITI (INCITS);
dspittle@itic.org

INCITS/ISO/IEC 7816-10-1999 (R200x), Identification Cards - Integrated Circuit(s) Cards with Contacts - Part 10: Electronic Signals and Answer to Reset for Synchronous Cards (reaffirmation of INCITS/ISO/IEC 7816-10-1999)

This part of ISO/IEC 7816 specifies the power, signal structures, and the structure for the answer to reset between an integrated circuit(s) card with synchronous transmission and an interface device such as a terminal.

Single copy price: \$418.00

Obtain an electronic copy from: ANSI;
[http://webstore.ansi.org/ansidocstore/find.asp?](http://webstore.ansi.org/ansidocstore/find.asp)

Order from: Global Engineering Documents; <http://www.global.ihs.com>
 Send comments (with copy to BSR) to: Deborah Spittle, ITI (INCITS);
dspittle@itic.org

INCITS/ISO/IEC 8632-3-1999 (R200x), Information technology - Computer graphics - Metafile for the storage and transfer of picture description information - Part 3: Binary encoding (reaffirmation of INCITS/ISO/IEC 8632-3-1999)

This part of ISO/IEC 8632 specifies a binary encoding of the Computer Graphics Metafile. For each of the elements specified in ISO/IEC 8632-1, this part specifies an encoding in terms of data types. For each of these data types, an explicit representation in terms of bits, octets and words is specified. For some data types, the exact representation is a function of the precisions being used in the metafile, as recorded in the Metafile Descriptor. This encoding of the Computer Graphics Metafile will, in many circumstances, minimize the effort required to generate and interpret the metafile.

Single copy price: \$18.00

Obtain an electronic copy from: ANSI;
[http://webstore.ansi.org/ansidocstore/find.asp?](http://webstore.ansi.org/ansidocstore/find.asp)

Order from: Global Engineering Documents; <http://www.global.ihs.com>
 Send comments (with copy to BSR) to: Parthenia Purnell, ITI (INCITS);
ppurnell@itic.org

INCITS/ISO/IEC 8632-4-1999 (R200x), Information technology - Computer graphics - Metafile for the storage and transfer of picture description information - Part 4: Clear text encoding (reaffirmation of INCITS/ISO/IEC 8632-4-1999)

This part of ISO/IEC 8632 specifies a clear text encoding of the Computer Graphics Metafile. For each of the elements specified in ISO/IEC 8632-1, a clear text encoding is specified. Allowed abbreviations are specified. The overall format of the metafile and the means by which comments may be interspersed in the metafile is specified. This encoding of the CGM allows metafiles to be created and maintained in a form which is simple to type, easy to edit and convenient to read.
 Single copy price: \$18.00

Obtain an electronic copy from: ANSI;
[http://webstore.ansi.org/ansidocstore/find.asp?](http://webstore.ansi.org/ansidocstore/find.asp)

Order from: Global Engineering Documents; <http://www.global.ihs.com>
 Send comments (with copy to BSR) to: Parthenia Purnell, ITI (INCITS);
ppurnell@itic.org

INCITS/ISO/IEC 8859-2-1999 (R200x), Information Technology - 8-Bit Single-Byte Coded Graphic Character Sets - Part 2: Latin Alphabet No. 2 (reaffirmation of INCITS/ISO/IEC 8859-2-1999)

This part of ISO/IEC 8859 specifies a set of 191 coded graphic characters identified as Latin alphabet No. 2.

Single copy price: \$18.00

Obtain an electronic copy from: ANSI;
[http://webstore.ansi.org/ansidocstore/find.asp?](http://webstore.ansi.org/ansidocstore/find.asp)

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 Send comments (with copy to BSR) to: Deborah Spittle, ITI (INCITS);
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INCITS/ISO/IEC 8859-3-1999 (R200x), Information Technology - 8-Bit Single-Byte Coded Graphic Character Sets - Part 3: Latin Alphabet No. 3 (reaffirmation of INCITS/ISO/IEC 8859-3-1999)

This part of ISO/IEC 8859 specifies a set of 184 coded graphic characters identified as Latin alphabet No. 3.

Single copy price: \$18.00

Obtain an electronic copy from: ANSI;
[http://webstore.ansi.org/ansidocstore/find.asp?](http://webstore.ansi.org/ansidocstore/find.asp)

Order from: Global Engineering Documents; <http://www.global.ihs.com>
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dspittle@itic.org

INCITS/ISO/IEC 8859-5-1999 (R200x), Information Technology - 8-Bit Single-Byte Coded Graphic Character Sets - Part 5: Latin/Cyrillic Alphabet (reaffirmation of INCITS/ISO/IEC 8859-5-1999)

This part of ISO/IEC 8859 specifies a set of 191 coded graphic characters identified as the Latin/Cyrillic alphabet.

Single copy price: \$18.00

Obtain an electronic copy from: ANSI;
[http://webstore.ansi.org/ansidocstore/find.asp?](http://webstore.ansi.org/ansidocstore/find.asp)

Order from: Global Engineering Documents; <http://www.global.ihs.com>
 Send comments (with copy to BSR) to: Deborah Spittle, ITI (INCITS);
dspittle@itic.org

INCITS/ISO/IEC 8859-6-1999 (R200x), Information Technology - 8-Bit Single-Byte Coded Graphic Character Sets - Part 6: Latin/Arabic Alphabet (reaffirmation of INCITS/ISO/IEC 8859-6-1999)

This part of ISO/IEC 8859 specifies a set of 146 coded graphic characters identified as Latin/Arabic alphabet.

Single copy price: \$18.00

Obtain an electronic copy from: ANSI;
[http://webstore.ansi.org/ansidocstore/find.asp?](http://webstore.ansi.org/ansidocstore/find.asp)

Order from: Global Engineering Documents; <http://www.global.ihs.com>
 Send comments (with copy to BSR) to: Deborah Spittle, ITI (INCITS);
dspittle@itic.org

INCITS/ISO/IEC 8859-8-1999 (R200x), Information technology - 8-bit single-byte coded graphic character sets - Part 8: Latin/Hebrew alphabet (reaffirmation of INCITS/ISO/IEC 8859-8-1999)

This part of ISO/IEC 8859 specifies a set of 155 coded graphic characters identified as Latin/Hebrew alphabet.

Single copy price: \$18.00

Obtain an electronic copy from: ANSI;

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Order from: Global Engineering Documents; <http://www.global.ihs.com>

Send comments (with copy to BSR) to: Deborah Spittle, ITI (INCITS); dspittle@itic.org

INCITS/ISO/IEC 9638-3-1994 (R200x), Computer Graphics - Computer Graphics Interface (CGI) - Part 3: ADA (formerly ANSI/ISO/IEC 9638-3-1994) (reaffirmation of INCITS/ISO/IEC 9638-3-1994 (R2000))

The Computer Graphics Interface (CGI) (ISO/IEC 9636), specifies a language-independent standard interface between device-independent and device-dependent parts of a graphics system. For integration into a programming language, CGI is embedded in a language-dependent layer obeying the particular conventions of that language. This part of ISO/IEC 9638 specifies such a language-dependent layer for the Ada programming language.

Single copy price: \$18.00

Obtain an electronic copy from: ANSI;

<http://webstore.ansi.org/ansidocstore/find.asp>

Order from: Global Engineering Documents; <http://www.global.ihs.com>

Send comments (with copy to BSR) to: Parthenia Purnell, ITI (INCITS); ppurnell@itic.org

INCITS/ISO/IEC 9899-1999 (R200x), Programming Languages - C (reaffirmation of INCITS/ISO/IEC 9899-1999)

Specifies the form and establishes the interpretation of programs written in the C programming language.

Single copy price: \$18.00

Obtain an electronic copy from: ANSI;

<http://webstore.ansi.org/ansidocstore/find.asp>

Order from: Global Engineering Documents; <http://www.global.ihs.com>

Send comments (with copy to BSR) to: Deborah Spittle, ITI (INCITS); dspittle@itic.org

INCITS/ISO/IEC 10279-1991 (R200x), Information Technology - Programming Languages - Full BASIC (reaffirmation of INCITS/ISO/IEC 10279-1991)

This International Standard is designed to promote the interchangeability of BASIC programs among a variety of automatic data processing systems. This International Standard specifies its own conformance subsets, which include those specified in ANSI INCITS 113-1987 and ECMA-116.

Single copy price: \$18.00

Obtain an electronic copy from: ANSI;

<http://webstore.ansi.org/ansidocstore/find.asp>

Order from: Global Engineering Documents; <http://www.global.ihs.com>

Send comments (with copy to BSR) to: Deborah Spittle, ITI (INCITS); dspittle@itic.org

INCITS/ISO/IEC 11179-2-1999 (R200x), Information technology - Specification and standardization of data elements - Part 2: Classification for data elements (reaffirmation of INCITS/ISO/IEC 11179-2-1999)

This part of ISO/IEC 11179 provides procedures and techniques for associating data with classification schemes. Several components of data elements invite classification - components covered by ISO/IEC 11179 - include object classes, properties, representations, value domains, and data element concepts, as well as data elements themselves.

Single copy price: \$18.00

Obtain an electronic copy from: ANSI;

<http://webstore.ansi.org/ansidocstore/find.asp>

Order from: Global Engineering Documents; <http://www.global.ihs.com>

Send comments (with copy to BSR) to: Barbara Bennett, ITI (INCITS); bbennett@itic.org

INCITS/ISO/IEC 11693-2000 (R200x), Identification Cards - Optical Memory Cards - General Characteristics (reaffirmation of INCITS/ISO/IEC 11693-2000)

Provides information necessary to store data on cards, to read data from cards, and for the physical, optical, and data interchangeability of optical memory cards in information processing systems.

Single copy price: \$18.00

Obtain an electronic copy from: ANSI;

<http://webstore.ansi.org/ansidocstore/find.asp>

Order from: Global Engineering Documents; <http://www.global.ihs.com>

Send comments (with copy to BSR) to: Deborah Spittle, ITI (INCITS); dspittle@itic.org

INCITS/ISO/IEC 11694-1-2000 (R200x), Identification Cards - Optical Memory Cards - Linear Recording Method - Part 1: Physical Characteristics (reaffirmation of INCITS/ISO/IEC 11694-1-2000)

Defines the physical characteristics of optical memory cards using the linear recording method.

Single copy price: \$18.00

Obtain an electronic copy from: ANSI;

<http://webstore.ansi.org/ansidocstore/find.asp>

Order from: Global Engineering Documents; <http://www.global.ihs.com>

Send comments (with copy to BSR) to: Deborah Spittle, ITI (INCITS); dspittle@itic.org

INCITS/ISO/IEC 11694-2-2000 (R200x), Identification Cards - Optical Memory Cards - Linear Recording Method - Part 2: Dimensions and Location of the Accessible Optical Area (reaffirmation of INCITS/ISO/IEC 11694-2-2000)

Defines the dimensions and location of the accessible optical area of optical memory cards with ID-1 dimensions using the linear recording method.

Single copy price: \$18.00

Obtain an electronic copy from: ANSI;

<http://webstore.ansi.org/ansidocstore/find.asp>

Order from: Global Engineering Documents; <http://www.global.ihs.com>

Send comments (with copy to BSR) to: Deborah Spittle, ITI (INCITS); dspittle@itic.org

INCITS/ISO/IEC 12087-1-1995 (R200x), Interchange (IPI) - Functional Specification - Part 1: Common Architecture for Imaging (reaffirmation of INCITS/ISO/IEC 12087-1-1995 (R2000))

ISO/IEC 12087 is concerned with the manipulation, processing and interchange of all types of digital images. The main purpose of this part is to define a generic, unifying imaging architecture to which other parts of ISO/IEC 12087 conform. This part of ISO/IEC 12087 also defines those "specializations" or "delineations" of the generic imaging architecture that are required to support IPI-PIKS and IPI-IIF.

Single copy price: \$18.00

Obtain an electronic copy from: ANSI;

<http://webstore.ansi.org/ansidocstore/find.asp>

Order from: Global Engineering Documents; <http://www.global.ihs.com>

Send comments (with copy to BSR) to: Parthenia Purnell, ITI (INCITS); ppurnell@itic.org

INCITS/ISO/IEC 13818-10-1999 (R200x), Information technology - Generic coding of moving pictures and associated audio information - Part 10: Conformance extensions for Digital Storage Media Command and Control (DSM-CC) (reaffirmation of INCITS/ISO/IEC 13818-10-1999)

This part of ISO/IEC 13818 defines compliance to Data Storage Media Command and Control (DSMCC) standard in two steps: the static review and the dynamic review as defined in ISO/IEC 9646 Conformance Testing standard.

Single copy price: \$18.00

Obtain an electronic copy from: ANSI;

<http://webstore.ansi.org/ansidocstore/find.asp>

Order from: Global Engineering Documents; <http://www.global.ihs.com>

Send comments (with copy to BSR) to: Deborah Spittle, ITI (INCITS); dspittle@itic.org

INCITS/ISO/IEC 14443-1-2000 (R200x), Identification Cards - Optical Memory Cards - Contactless integrated circuit(s) Cards - Proximity Cards - Part 1: Physical Characteristics (reaffirmation of INCITS/ISO/IEC 14443-1-2000)

Specifies the physical characteristics of proximity cards (PICC). It applies to identification cards of the card type ID-1 operating in proximity of a coupling device. This standard shall be used in conjunction with later parts of ISO/IEC 14443.

Single copy price: \$18.00

Obtain an electronic copy from: ANSI;
<http://webstore.ansi.org/ansidocstore/find.asp?>

Order from: Global Engineering Documents; <http://www.global.ihs.com>
 Send comments (with copy to BSR) to: Deborah Spittle, ITI (INCITS);
dspittle@itic.org

INCITS/ISO/IEC 13818-6-1998 AM2-2000 (R200x), Generic coding of moving pictures and associated audio information - Part 6: Extensions for DSM-CC - Amendment 2 (reaffirmation of INCITS/ISO/IEC 13818-6-1998/AM2-2000)

Specifies the additions to support synchronized download services, opportunistic data services and resources announcement in broadcast and interactive services for Extensions for DSM-CC in Generic coding of moving pictures and associated audio information.

Single copy price: \$18.00

Obtain an electronic copy from: ANSI;
<http://webstore.ansi.org/ansidocstore/find.asp?>

Order from: Global Engineering Documents; <http://www.global.ihs.com>
 Send comments (with copy to BSR) to: Deborah Spittle, ITI (INCITS);
dspittle@itic.org

NCPDP (National Council for Prescription Drug Programs)

Revisions

BSR/NCPDP SC V9.0-200x, Prescriber/Pharmacist Interface SCRIPT Version 9.0 (revision and redesignation of ANSI/NCPDP SC V8.0-200x)

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

Single copy price: \$650 per year

Obtain an electronic copy from: ncpdp@ncpdp.org
 Order from: Lynne Gilbertson, NCPDP; lgilbertson@ncpdp.org
 Send comments (with copy to BSR) to: Same

NEMA (ASC C29) (National Electrical Manufacturers Association)

Revisions

BSR C29.13-200x, Insulators Composite - Distribution Deadend Type (revision of ANSI C29.13-2000)

Covers composite distribution deadend insulators made of a fiberglass-reinforced resin matrix core, polymer material weathersheds, and metal fittings intended for use on overhead lines for electric power systems, 69 kV and below. Mechanical and electrical performance levels specified herein are requirements for new insulators.

Single copy price: \$51.00

Obtain an electronic copy from: E-Mail: global@his.com
 Website: www.global.ihs.com
 Order from: Global Engineering Documents; www.global.ihs.com, (800) 854-7179
 Send comments (with copy to BSR) to: Scott Choinski, NEMA (ASC C57); sco_choinski@nema.org

NEMA (ASC C8) (National Electrical Manufacturers Association)

Revisions

BSR/ICEA S-105-692-200x, 600 Volt Single Layer Thermoset Insulated Utility Underground Distribution Cables (revision of ANSI/ICEA S-105-692-2000)

Applies to the materials, constructions, and testing of single conductor cables and assemblies of completed single conductor thermoset insulated cables, with an insulated or bare copper or an insulated aluminum neutral, used for the distribution of electrical energy at phase-to-phase voltages not exceeding 600 volts, or phase-to-ground voltage not exceeding 480 volts, 60 Hz, and at conductor temperatures not exceeding 90°C for use in direct burial and underground ducts.

Single copy price: \$81.25

Obtain an electronic copy from: and_moldoveanu@nema.org
 Order from: Andrei Moldoveanu, NEMA (ASC C8);
and_moldoveanu@nema.org
 Send comments (with copy to BSR) to: Same

NSF (NSF International)

New Standards

BSR/NSF 169-200x (i1), Special Purpose Food Equipment and Devices (new standard)

Issue 1: This Standard establishes minimum food protection & sanitation requirements for the materials, design, fabrication, construction, & performance of special purpose food handling & processing equipment and devices not fully covered by other individual standards. Equipment covered by this Standard includes, but is not limited to, specialty equipment items or devices which have special, complex, or multiple functions such as refrigeration heating equipment, refrigerated tumblers, and pasteurization equipment.

Single copy price: \$35.00

Obtain an electronic copy from:
www.techstreet.com/cgi-bin/browsePublisher?publisher_id=133&subgroup_id=10020
 Order from: www.nsf.org
 Send comments (with copy to BSR) to: Steve Tackitt, c/o Lorna Badman,
[NSF: badman@nsf.org](mailto:nsf:badman@nsf.org)

Revisions

BSR/NSF 2-200x (i7), Food Equipment (revision of ANSI/NSF 2-2005)

Issue 7: To include a new microbiological evaluation method IPC evaluation performance test, language regarding ice pans and bins, and clarification for metal mesh filter restrictions.

Single copy price: \$35.00

Obtain an electronic copy from:
www.techstreet.com/cgi-bin/browsePublisher?publisher_id=133&subgroup_id=10020
 Order from: www.nsf.org
 Send comments (with copy to BSR) to: Steve Tackitt, c/o Lorna Badman,
[NSF: badman@nsf.org](mailto:nsf:badman@nsf.org)

BSR/NSF 6-200x (i3), Dispensing Freezers (revision of ANSI/NSF 6-1996)

Issue 3: Incorporation of boilerplate language from ANSI/NSF 2.

Single copy price: \$35.00

Obtain an electronic copy from:
www.techstreet.com/cgi-bin/browsePublisher?publisher_id=133&subgroup_id=10020
 Order from: www.nsf.org
 Send comments (with copy to BSR) to: Steve Tackitt, c/o Lorna Badman,
[NSF: badman@nsf.org](mailto:nsf:badman@nsf.org)

SCTE (Society of Cable Telecommunications Engineers)

New Standards

BSR/SCTE 104-200x, Automation System to Compression System Communications Applications Program Interface (API) (new standard)

This Standard defines the Communications API between an Automation System and the associated Compression System that will insert SCTE 35 2004 private sections into the outgoing Transport Stream. This document serves as a companion to both SCTE 35 2004 and SCTE 30 2001.

Single copy price: Free (electronic copy)

Obtain an electronic copy from: standards@scte.org

Order from: Global Engineering Documents; <http://www.global.ihs.com>

Send comments (with copy to BSR) to: Robin Fenton, SCTE; rfenton@scte.org

UL (Underwriters Laboratories, Inc.)

Revisions

- ★ BSR/UL 507-200x, Electric Fans (revision of ANSI/UL 507-200x)

Revisions to the following topics within the standard are being proposed:

- (1) UV lamps;
- (2) Impact testing of polymeric guards;
- (3) Low-pressure inflator;
- (4) Convenience receptacles; and
- (5) Miscellaneous revisions.

Single copy price: Contact comm2000 for pricing and delivery options

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

Order from: comm2000

Send comments (with copy to BSR) to: Byron McMillan, UL-NC; Byron.mcmillan@us.ul.com

BSR/UL 796F-200x, Standard for Safety for Flexible Materials Interconnect Constructions (revision of ANSI/UL 796F-2004b)

Proposes new and revised requirements for flexible materials interconnect constructions covered by UL 796F.

Single copy price: Contact comm2000 for pricing and delivery options

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

Order from: comm2000

Send comments (with copy to BSR) to: Derrick Martin, UL-CA; Derrick.L.Martin@us.ul.com

Comment Deadline: August 2, 2005

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

ASME (American Society of Mechanical Engineers)

New Standards

BSR/ASME BTH-1-200x, Design of Below-the-Hook Lifting Devices (new standard)

This standard provides minimum structural and mechanical design and electrical component selection criteria for ASME B30.20 below-the-hook lifting devices.

Single copy price: \$20.00

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

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

Send comments (with copy to BSR) to: Joseph Wendler, ASME; wendlerj@asme.org

CSA (ASC Z21/83) (CSA America, Inc.)

Revisions

- ★ BSR Z21.24-200x, Connectors for Gas Appliances (same as CSA 6.10) (revision of ANSI Z21.24-1997)

Details test and examination criteria for gas appliance connectors limited to a maximum nominal length of 6 feet (1.83 m). Such connectors are suitable for connecting gas-fired appliances to fixed gas supply lines containing natural, manufactured or mixed gases, liquefied petroleum gases or LP gas-air mixtures at pressures not in excess of 1/2 psig (3.5 kPa). These connectors are intended for use with residential and commercial gas appliances that are not frequently moved after installation.

Single copy price: \$175.00

Obtain an electronic copy from: al.callahan@csa-america.org

Order from: Allen Callahan, CSA; al.callahan@csa-america.org

Send comments (with copy to BSR) to: Same

- ★ BSR Z21.75-200x, Connectors for Outdoor Gas Appliances and Manufactured Homes (same as CSA 6.27) (revision, redesignation and consolidation of ANSI Z21.75-2001, ANSI Z21.75a-2002, ANSI Z21.75b-2003)

Details test and examination criteria for connectors suitable for non-rigid connection of outdoor gas appliances not frequently moved after installation, or manufactured (mobile) homes to gas supply lines containing natural, manufactured, mixed and liquefied petroleum (LP) gases and LP gas-air mixtures at pressures not in excess of 1/2 psi (3.5 kPa). These connectors shall have a nominal length of not less than 1 foot nor more than 6 feet.

Single copy price: \$175.00

Obtain an electronic copy from: al.callahan@csa-america.org

Order from: Allen Callahan, CSA; al.callahan@csa-america.org

Send comments (with copy to BSR) to: Same

Supplements

BSR Z21.10.1a-200x, Gas Water Heaters, Volume I, Storage Water Heaters With Input Ratings of 75,000 Btu Per Hour or Less (same as CSA 4.1a) (supplement to ANSI Z21.10.1-2001)

Details test and examination criteria for automatic storage water heaters with input ratings of 75,000 Btu per hour (21 980 W) or less for use with natural, manufactured and mixed gases, liquefied petroleum gases, and LP gas-air mixtures.

Single copy price: \$50.00

Obtain an electronic copy from: al.callahan@csa-america.org

Order from: Allen Callahan, CSA; al.callahan@csa-america.org

Send comments (with copy to BSR) to: Same

BSR Z21.54a-200x, Gas Hose Connectors for Portable Outdoor Gas-Fired Appliances (same as CSA 8.4a) (addenda to ANSI Z21.54-1996 (R2001))

Details test and examination criteria for gas hose connectors suitable for connecting portable outdoor gas-fired appliances to fixed gas supply lines containing natural, manufactured or mixed gases, liquefied petroleum gases or LP gas-air mixtures at pressures not in excess of 1/2 psi (3.45 kPa). These connectors are intended for use in unconcealed outdoor locations unlikely to be subject to excessive temperatures [above 200 F (93.5 C)].

Single copy price: \$35.00

Obtain an electronic copy from: al.callahan@csa-america.org

Order from: Allen Callahan, CSA; al.callahan@csa-america.org

Send comments (with copy to BSR) to: Same

- ★ BSR Z21.69b-200x, Connectors for Movable Gas Appliances (same as CSA 6.16b) (addenda to ANSI Z21.69-2002, ANSI Z21.69a-2003, ANSI Z21.69b-2001)

Details test and examination criteria for gas appliance connectors consisting of flexible tubing for connecting gas supply piping to a gas appliance mounted on casters or otherwise subject to movement. These connectors are limited to a maximum length of 6 feet (1.83 m). These connectors are suitable for use with natural, manufactured or mixed gases, liquefied petroleum gases, or LP gas-air mixtures, at pressures not in excess of 1/2 psi (3.5 kPa).

Single copy price: \$35.00

Obtain an electronic copy from: al.callahan@csa-america.org

Order from: Allen Callahan, CSA; al.callahan@csa-america.org

Send comments (with copy to BSR) to: Same

Projects Withdrawn from Consideration

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

AAMI (Association for the Advancement of Medical Instrumentation)

BSR/AAMI PC69-200x, Active implantable medical devices - Electromagnetic compatibility - EMC test protocols for implantable cardiac pacemakers and implantable cardioverter defibrillators (revision of ANSI/AAMI PC69-2000)

Correction

All BSR/ASHRAE/IESNA Supplements in the 5/27/05 Issue of Standards Action

The designation of the main standard in the Project Intent field of all of the BSR/ASHRAE/IESNA 90.1 supplements listed in the May 27th issue of Standards Action was incorrect. The Project Intent field for all eight supplements should read: "(supplement to ANSI/ASHRAE/IESNA 90.1-2004)".

Call for Comment Contact Information

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

Order from:

ASME

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

ATIS

Alliance for Telecommunications Industry Solutions
1200 G Street NW, Suite 500
Washington, DC 20005
Phone: (202) 434-8832
Fax: (202) 347-7125
Web: www.atis.org

comm2000

1414 Brook Drive
Downers Grove, IL 60515
Web: www.comm-2000.com

CSA

CSA International
8501 East Pleasant Valley Road
Cleveland, OH 44131-5575
Phone: (216) 524-4990
Fax: (216) 642-3463
Web:
www.csa.ca/english/home/index.htm

Global Engineering Documents

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

NCPDP

National Council for Prescription Drug Programs
9240 East Raintree Drive
Scottsdale, AZ 85260
Phone: (480) 477-1000
Fax: (480) 767-1042
Web: www.ncdp.org

NEMA (ASC C8)

National Electrical Manufacturers Association
1300 North 17th Street, Suite 1847
Rosslyn, VA 22209
Phone: (703) 841-3290
Fax: (703) 841-3398
Web: www.nema.org

NSF

NSF International
P.O. Box 130140
Ann Arbor, MI 48113-0140
Phone: (734) 827-6806
Fax: (734) 827-6831
Web: www.nsf.org

Send comments to:

ASME

American Society of Mechanical Engineers
3 Park Avenue, 20th Floor
New York, NY 10016
Phone: (212) 591-8460
Fax: (212) 591-8501
Web: www.asme.org

ATIS

Alliance for Telecommunications Industry Solutions
1200 G Street NW, Suite 500
Washington, DC 20005
Phone: (202) 434-8832
Fax: (202) 347-7125
Web: www.atis.org

CSA

CSA International
8501 East Pleasant Valley Road
Cleveland, OH 44131-5575
Phone: (216) 524-4990
Fax: (216) 642-3463
Web:
www.csa.ca/english/home/index.htm

ITI (INCITS)

INCITS Secretariat/ITI
1250 Eye Street, NW
Suite 200
Washington, DC 20005-3922
Phone: (202) 626-5743
Fax: (202) 638-4922
Web: www.incits.org

NCPDP

National Council for Prescription Drug Programs
9240 East Raintree Drive
Scottsdale, AZ 85260
Phone: (480) 477-1000
Fax: (480) 767-1042
Web: www.ncdp.org

NEMA (ASC C57)

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Rosslyn, VA 22209
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Fax: (703) 841-3353
Web: www.nema.org

NEMA (ASC C8)

National Electrical Manufacturers Association
1300 North 17th Street, Suite 1847
Rosslyn, VA 22209
Phone: (703) 841-3290
Fax: (703) 841-3398
Web: www.nema.org

NSF

NSF International
P.O. Box 130140
Ann Arbor, MI 48113-0140
Phone: (734) 827-6806
Fax: (734) 827-6831
Web: www.nsf.org

SCTE

Society of Cable Telecommunications Engineers
140 Phillips Road
Exton, PA 19341
Phone: 610-524-1725 ext 244
Web: www.scte.org

UL

Underwriters Laboratories
1655 Scott Blvd
Santa Clara, CA 95050
Phone: (408) 876-2458
Web: www.ul.com/

UL-CA

Underwriters Laboratories, Inc.
1655 Scott Boulevard
Santa Clara, CA 95050
Phone: (408) 985-2452
Fax: (408) 556-6045

UL-IL

Underwriters Laboratories, Inc.
333 Pfingsten Road
Northbrook, IL 60062-2096
Phone: (847) 664-1725
Fax: (847) 407-1725

UL-NC

Underwriters Laboratories
12 Laboratory Drive
Research Triangle Park, NC 27709
Phone: (919) 919-549-0939
Fax: 919-316-5623

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.

ASA (ASC S3) (Acoustical Society of America)

Revisions

ANSI S3.4-2005, Procedure for the Computation of Loudness of Steady Sounds (revision of ANSI S3.4-1980 (R2003)): 6/1/2005

ASME (American Society of Mechanical Engineers)

New Standards

ANSI/ASME B18.29.2M-2005, Helical Coil Screw Thread Inserts - Free Running and Screw Locking (Metric Series) (new standard): 5/26/2005

Reaffirmations

ANSI/ASME PCC-1-2005, Guidelines for Pressure Boundary Bolted Flange Joint Assembly (reaffirmation of ANSI/ASME PCC-1-2000): 5/26/2005

ANSI/ASME Y14.32.1M-1994 (R2005), Chassis Frame - Passenger Car and Light Truck - Ground Vehicle Practice (reaffirmation of ANSI/ASME Y14.32.1M-1994 (R1999)): 5/27/2005

HI (Hydraulic Institute)

New Standards

ANSI/HI 12.1-12.6-2005, Centrifugal Slurry Pumps for Nomenclature Definitions, Applications and Operation - 2005 (new standard): 5/31/2005

HL7 (Health Level Seven)

New Standards

ANSI/HL7 V3 GELLO, R1-2005, HL7 Version 3 Standard: GELLO: A Common Expression Language, Release 1 (new standard): 5/26/2005

IEEE (Institute of Electrical and Electronics Engineers)

New Standards

ANSI/IEEE 828-2005, Standard for Software Configuration Management Plans (new standard): 5/31/2005

Revisions

ANSI/IEEE 802.15.1-2005, LAN/MAN - Specific Requirements - Part 15.1: Wireless Medium Access Control (MAC) and Physical Layer (PHY) Specifications for Wireless Personal Area Networks (WPANs) (revision of ANSI/IEEE 802.15.1-2002): 5/31/2005

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

New Standards

[ANSI INCITS 407-2005](#), Information Technology - BIOS Enhanced Disk Drive Services - 3 (EDD-3) (new standard): 5/25/2005

OPEI (Outdoor Power Equipment Institute)

Reaffirmations

ANSI/OPEI B71.8-1996 (R2005), Outdoor Power Equipment - Walk-Behind Powered Rotary Tillers and Hand Supported Cultivators - Safety Specifications (reaffirmation of ANSI/OPEI B71.8-1996): 5/26/2005

SCTE (Society of Cable Telecommunications Engineers)

New Standards

ANSI/SCTE 107-2005, Embedded Cable Modem Device Specification (new standard): 5/26/2005

TIA (Telecommunications Industry Association)

Supplements

ANSI/TIA/EIA 136-030-B-1-2005, TDMA Third Generation Wireless - Release B - Addendum 1 - R-UIM Overview and Operation (supplement to ANSI/TIA 136-030-B-2004): 5/27/2005

ANSI/TIA/EIA 136-370-A-1-2005, TDMA Third Generation Wireless - Enhanced General Packet-Data Service (EGPRS-136) - Release A - Addendum 1 (supplement to ANSI/TIA 136-370-A-2004): 5/27/2005

ANSI/TIA/EIA 136-376-A-1-2005, TDMA Third Generation Wireless - Enhanced General Packet-Data Service (EGPRS-136) - Mobility Management (MM) - Release A - Addendum 1 (supplement to ANSI/TIA 136-376-A-2004): 5/27/2005

ANSI/TIA/EIA 136-377-A-1-2005, TDMA Third Generation Wireless - EGPRS-136 Gs Interface Specifications - Release A - Addendum 1 (supplement to ANSI/TIA 136-377-A-2004): 5/27/2005

ANSI/TIA/EIA 136-440-A-1-2005, TDMA Third Generation Wireless - Adaptive Multirate (AMR) Codec - Release A - Addendum 1 (supplement to ANSI/TIA 136-440-A-2004): 5/27/2005

UL (Underwriters Laboratories, Inc.)

New Standards

ANSI/UL 879-2005, Electric Sign Components (new standard): 5/26/2005

Revisions

ANSI/UL 859-2005, Standard for Household Electric Personal Grooming Appliances (revision of ANSI/UL 859-2004): 5/25/2005

ANSI/UL 1277-2005, Standard for Safety for Electrical Power and Control Tray Cables with Optional Optical-Fiber Members (4th edition) (revision of ANSI/UL 1277-2003): 5/26/2005

ANSI/UL 1569-2005, Standard for Safety for Metal-Clad Cables (3rd edition) (revision of ANSI/UL 1569-2004): 5/25/2005

Correction

Incorrect Designation and Title

In the Final Actions section of the April 29th issue of Standards Action, a standard was listed as ANSI/HL7 CTS V1-2005. This listing had an incorrect designation and an incorrect title. The correct designation and title are:

ANSI/HL7 V3 CTS, R1-2005, HL7 Version 3 Standard: Common Terminology Services, Release 1

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.

AIAA (American Institute of Aeronautics and Astronautics)

Office: 1801 Alexander Bell Drive
Suite 500
Reston, VA 20191-4344

Contact: *Craig Day*

Fax: (703) 264-7551

E-mail: craigd@aiaa.org

BSR/AIAA S-080A-200x, Space Systems - Metallic Pressure Vessels, Pressurized Structures, Pressure Components and Special Pressurized Equipment (revision and redesignation of ANSI/AIAA S-080-1998)

Stakeholders: Satellite manufacturers, tank designers and builders, launch vehicle providers, government regulatory agencies.

Project Need: The original document (ANSI/AIAA S-080-1998) was prepared following a draft military standard, Mil-Std-1522B (USAF), dated 14 July 1995, entitled "Requirements for Design and Operation of Pressurized Missile and Space Sys - terms" and was never published. This new project updates the original document.

This standard establishes baseline requirements for the design, fabrication, test, inspection, operation and maintenance of metallic pressure vessels, pressurized structures and pressure components including lines and fittings for use in space systems. This standard also provides requirements for special pressurized equipment such as batteries, heat pipes, cryostats and sealed containers. These requirements when implemented on a particular system will assure a high level of confidence in achieving safe and reliable operation.

ASC X9 (Accredited Standards Committee X9, Incorporated)

Office: P.O. Box 4035
Annapolis, MD 21403

Contact: *Isabel Bailey*

Fax: (301) 879-5124

E-mail: Isabel.Bailey@X9.org

BSR X9.111-200x, Penetration Testing (new standard)

Stakeholders: Financial services industry, private sector businesses, penetration testing service providers.

Project Need: By providing a benchmark of best practice characteristics, a penetration testing standard will enable system owners/operators to build trust in their systems. Such a benchmark allows both penetration test providers and system owners to establish a common set of expectations.

For most organizations, IT Security is a highly complex and costly objective to obtain and maintain. Both the threats and the mitigation of related system vulnerabilities are very dynamic, with both sides changing daily. Often it is difficult to specify the tasks and parameters associated with security and to know precisely what you are buying when contracting for services. Penetration testing is one example of a security service required by banks and other institutions of which the extent and quality of the service may vary greatly from provider to provider.

CEA (Consumer Electronics Association)

Office: 2500 Wilson Blvd.
Arlington, VA 22206

Contact: *Megan Hayes*

Fax: 730-907-7601

E-mail: mhayes@ce.org

BSR/CEA 624-A-200x, Linear Bar Code and Two-Dimensional Symbols for the Labeling of Product Packages (new standard)

Stakeholders: Manufacturers, retailers, distributors, consumers.

Project Need: CEA-624-A revised ANSI/CEA 624-1995 but ANSI approval was never sought. CEA is seeking ANSI approval of CEA-624-A.

This standard applies to labels on the packaging of electronic products. This standard defines minimum requirements for identifying product packages that are distributed outside the originating location.

ISA (ISA-The Instrumentation, Systems, and Automation Society)

Office: 67 Alexander Drive
Research Triangle Park, NC 27709

Contact: *Loanna Overcash*

Fax: (919) 549-8288

E-mail: Overcash@ISA.org

BSR/ISA 77.13.01-1999 (R200x), Fossil Fuel Power Plant Steam Turbine Bypass System (reaffirmation of ANSI/ISA 77.13.01-1999)

Stakeholders: Fossil fuel power plant industry.

Project Need: To establish the minimum requirements for design specifications to implement steam turbine bypass systems and hardware configurations for drum and once-through, fossil fuel power plant boilers.

This Standard covers the design requirements and operator interface for steam turbine bypass systems for drum and once-through steam generators and combined cycle plants. Hardware configurations are suggested to obtain the minimum design requirements to obtain a safe and operable system. Both fixed percentage bypass and variable pressure systems are covered. It is applicable to boilers with steam capacities of 200,000 lb/hr (25 kg/s) or greater.

BSR/ISA 77.42.01-1999 (R200x), Fossil Fuel Power Plant Feedwater Control System - Drum Type (reaffirmation of ANSI/ISA 77.42.01-1999)

Stakeholders: Fossil fuel power plant industry.

Project Need: To establish the minimum criteria for the control of levels, pressures, and flow for the safe and reliable operation of drum-type feedwater systems in fossil power plants.

The standard is intended to assist in the development of design specifications covering the measurement and control of feedwater systems in boilers with steaming capacities of 200,000 lb/h (25 kg/s) or greater. The safe physical containment of the feedwater shall be in accordance with applicable piping codes and standards and is beyond the scope of this standard.

BSR/ISA 77.44.01-2000 (R200x), Fossil Fuel Power Plant Steam Temperature Control System - Drum Type (reaffirmation of ANSI/ISA 77.44.01-2000)

Stakeholders: Fossil fuel power plant industry.

Project Need: To establish the minimum requirements for the functional design specification of steam temperature control systems for drum-type fossil fuel power plant boilers.

The scope of this standard addresses the major steam temperature control subsystems in boilers with steaming capacities of 200,000 lb/hr (25 kg/s) or greater. These subsystems include, but are not limited to, superheat temperature control and reheat temperature control. Specifically excluded from consideration are turbine bypass control, motor control logic, combustion control, sootblower control, and controls associated with fluidized bed- and stoker-fired furnace combustion units.

UL (Underwriters Laboratories, Inc.)

Office: 1655 Scott Boulevard
Santa Clara, CA 95050

Contact: Kristin Andrews

Fax: (408) 556-6045

E-mail: Kristin.L.Andrews@us.ul.com

BSR/UL 48-200x, Electric Signs (new standard)

Stakeholders: Sign manufacturers, authorities having jurisdiction.

Project Need: Publication of the fifteenth edition of the standard.

Covers:

- electric signs, art forms and outline lighting;
- electrically operated and/or electrically illuminated signs, including incandescent, fluorescent, high-intensity discharge (HID);
- electric discharge tubing including neon;
- light-emitting diode (LED);
- skeletal neon tubing;
- cold-cathode lighting systems;
- electroluminescence awning signs;
- trailer-mounted signs;
- electrically or mechanically animated signs; and
- changing message signs.

American National Standards Maintained Under Continuous Maintenance

The ANSI Essential Requirements: Due Process Requirements for American National Standards provide two options for the maintenance of American National Standards (ANS): periodic maintenance (see clause 4.7.1) and continuous maintenance (see clause 4.7.2). Continuous maintenance is defined as follows:

The standard shall be maintained by an accredited standards developer. A documented program for periodic publication of revisions shall be established by the standards developer. Processing of these revisions shall be in accordance with these procedures. The published standard shall include a clear statement of the intent to consider requests for change and information on the submittal of such requests. Procedures shall be established for timely, documented consensus action on each request for change and no portion of the standard shall be excluded from the revision process. In the event that no revisions are issued for a period of four years, action to reaffirm or withdraw the standard shall be taken in accordance with the procedures contained in the ANSI Essential Requirements.

The Executive Standards Council (ExSC) has determined that for standards maintained under the Continuous Maintenance option, separate PINS announcements are not required. The following ANSI Accredited Standards Developers have formally registered standards under the Continuous Maintenance option.

- AAMVA
- AGRSS
- ASC B109 (AGA)
- ASHRAE
- ASME
- ASTM
- NBBPVI
- NSF International
- TIA
- Underwriters Laboratories Inc.

To obtain additional information with regard to these standards, such as contact information at the ANSI accredited standards developer, please visit ANSI Online at www.ansi.org, select Internet Resources, click on "Standards Information," and see "American National Standards Maintained Under Continuous Maintenance". This information is also available directly at <http://public.ansi.org/ansionline/Documents/Standards%20Activities/American%20National%20Standards/Procedures,%20Guides,%20and%20Forms/>.

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.



ISO Draft International Standards

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

Comments

Comments regarding ISO documents should be sent to Henrietta Scully, at ANSI's New York offices. The final date for offering comments is listed after each draft.

Ordering Instructions

ISO Drafts can be made available via ANSI's ESS "on-demand" service. Please e-mail your request for an Iso Draft to Customer Service at sales@ansi.org. The document will be posted to the ESS within 3 working days of the request. When making your request, please provide the date of the Standards Action issue in which the draft document you are requesting appears.

ANAESTHETIC AND RESPIRATORY EQUIPMENT (TC 121)

IEC 60601-1-8/DAmD1, Medical electrical equipment - Part 1-8: General requirements for safety - Collateral standard: General requirements, tests and guidance for alarm systems in medical electrical equipment and medical electrical systems, \$32.00

GEOGRAPHIC INFORMATION/GEOMATICS (TC 211)

ISO/DIS 19131, Geographic information - Data product specification - 8/28/2005, \$106.00

Newly Published ISO and IEC Standards



Listed here are new and revised standards recently approved and promulgated by ISO - the International Organization for Standardization - and IEC - the International Electrotechnical Commission. Most are available at the ANSI Electronic Standards Store (ESS) at www.ansi.org. All paper copies are available from Global Engineering Documents.

ISO Standards

AGRICULTURAL FOOD PRODUCTS (TC 34)

[ISO 14674:2005](#), Milk and milk powder - Determination of aflatoxin M1 content - Clean-up by immunoaffinity chromatography and determination by thin-layer chromatography, \$58.00

AIRCRAFT AND SPACE VEHICLES (TC 20)

[ISO 21347:2005](#), Space systems - Fracture and damage control, \$76.00

APPLICATIONS OF STATISTICAL METHODS (TC 69)

[ISO 2859-3:2005](#), Sampling procedures for inspection by attributes - Part 3: Skip-lot sampling procedures, \$92.00

FIRE SAFETY (TC 92)

[ISO 19703:2005](#), Generation and analysis of toxic gases in fire - Calculation of species yields, equivalence ratios and combustion efficiency in experimental fires, \$101.00

IRON ORES (TC 102)

[ISO 15634:2005](#), Iron ores - Determination of chromium content - Flame atomic absorption spectrometric method, \$62.00

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

[ISO 2505:2005](#), Thermoplastics pipes - Longitudinal reversion - Test method and parameters, \$39.00

PLASTICS (TC 61)

[ISO 14851/Cor1:2005](#), Determination of the ultimate aerobic biodegradability of plastic materials in an aqueous medium - Method by measuring the oxygen demand in a closed respirometer - Corrigendum, FREE

[ISO 14852/Cor1:2005](#), Determination of the ultimate aerobic biodegradability of plastic materials in an aqueous medium - Method by analysis of evolved carbon dioxide - Corrigendum, FREE

SMALL TOOLS (TC 29)

[ISO 6106:2005](#), Abrasive products - Checking the grit size of superabrasives, \$53.00

SOIL QUALITY (TC 190)

[ISO 11264:2005](#), Soil quality - Determination of herbicides - Method using HPLC with UV-detection, \$71.00

TEXTILE MACHINERY AND ALLIED MACHINERY AND ACCESSORIES (TC 72)

[ISO 366-4:2005](#), Textile machinery and accessories - Reeds - Part 4: Dimensions and designation of plastic-bound metal reeds, \$39.00

TEXTILES (TC 38)

[ISO 16663-2/Cor1:2005](#), Fishing nets - Method of test for the determination of mesh size - Part 2: Length of mesh - Corrigendum, FREE

WELDING AND ALLIED PROCESSES (TC 44)

[ISO 15614-2:2005](#), Specification and qualification of welding procedures for metallic materials - Welding procedure test - Part 2: Arc welding of aluminium and its alloys, \$92.00

ISO Technical Specifications

GEOTECHNICS (TC 182)

[ISO/TS 22476-10:2005](#), Geotechnical investigation and testing - Field testing - Part 10: Weight sounding test, \$39.00

[ISO/TS 22476-11:2005](#), Geotechnical investigation and testing - Field testing - Part 11: Flat dilatometer test, \$53.00

ISO/IEC JTC 1, Information Technology

[ISO/IEC 18025:2005](#), Information technology - Environmental Data Coding Specification (EDCS), \$201.00

IEC Standards

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

[IEC 62298-1 Ed. 1.0 en:2005](#), TeleWeb application - Part 1: General description, \$53.00

[IEC 62298-2 Ed. 1.0 en:2005](#), TeleWeb application - Part 2: Delivery methods, \$106.00

[IEC 62298-3 Ed. 1.0 en:2005](#), TeleWeb application - Part 3: Superteletext profile, \$196.00

CAPACITORS AND RESISTORS FOR ELECTRONIC EQUIPMENT (TC 40)

[IEC 60384-8 Ed. 3.0 en:2005](#), Fixed capacitors for use in electronic equipment - Part 8: Sectional specification: Fixed capacitors of ceramic dielectric, Class 1, \$106.00

[IEC 60384-8-1 Ed. 2.0 en:2005](#), Fixed capacitors for use in electronic equipment - Part 8-1: Blank detail specification: Fixed capacitors of ceramic dielectric, Class 1 - Assessment level EZ, \$43.00

[IEC 60384-9 Ed. 3.0 en:2005](#), Fixed capacitors for use in electronic equipment - Part 9: Sectional specification: Fixed capacitors of ceramic dielectric, Class 2, \$89.00

[IEC 60384-9-1 Ed. 2.0 en:2005](#), Fixed capacitors for use in electronic equipment - Part 9-1: Blank detail specification: Fixed capacitors of ceramic dielectric, Class 2 - Assessment level EZ, \$43.00

ELECTRICAL EQUIPMENT IN MEDICAL PRACTICE (TC 62)

[IEC 62274 Ed. 1.0 b:2005](#), Medical electrical equipment - Safety of radiotherapy record and verify systems, \$60.00

ELECTROMAGNETIC COMPATIBILITY (TC 77)

[IEC/TR 60725 Ed. 2.0 b:2005](#), Consideration of reference impedances and public supply network impedances for use in determining disturbance characteristics of electrical equipment having a rated current = < 75 A per phase, \$73.00

[IEC/TR 61000-1-4 Ed. 1.0 en:2005](#), Electromagnetic compatibility (EMC) - Part 1-4: General - Historical rationale for the limitation of power-frequency conducted harmonic current emissions from equipment, in the frequency range up to 2 kHz, \$122.00

FIBRE OPTICS (TC 86)

[IEC/TR 62285 Ed. 2.0 b:2005](#), Application guide for non-linear coefficient measuring methods, \$73.00

FIRE HAZARD TESTING (TC 89)

[IEC 60695-4 Ed. 3.0 b:2005](#), Fire hazard testing - Part 4: Terminology concerning fire tests for electrotechnical products, \$60.00

LAMPS AND RELATED EQUIPMENT (TC 34)

[IEC 60064 Ed. 6.3 b:2005](#), Tungsten filament lamps for domestic and similar general lighting purposes - Performance requirements, \$196.00

[IEC 60598-2-11 Ed. 1.0 b:2005](#), Luminaires - Part 2-11: Particular requirements - Aquarium luminaires, \$40.00

OTHER

[IEC GUIDE 114 Ed. 1.0 en:2005](#), Environmentally conscious design - Integrating environmental aspects into design and development of electrotechnical products, \$73.00

[CISPR 16-2-3 Amd.1 Ed. 1.0 b:2005](#), Amendment 1 - Specification for radio disturbance and immunity measuring apparatus and methods - Part 2-3: Methods of measurement of disturbances and immunity - Radiated disturbance measurements, \$34.00

OVENS AND MICROWAVE OVENS, COOKING RANGES AND SIMILAR APPLIANCES (TC 59K)

[IEC 60350 Amd.1 Ed. 2.0 b:2005](#), Amendment 1 - Electric cooking ranges, hobs, ovens and grills for household use - Methods for measuring performance, \$73.00

PERFORMANCE OF HOUSEHOLD ELECTRICAL APPLIANCES (TC 59)

[IEC 61121 Amd.1 Ed. 3.0 en:2005](#), Amendment 1 - Tumble dryers for household use - Methods for measuring the performance, \$18.00

PIEZOELECTRIC AND DIELECTRIC DEVICES FOR FREQUENCY CONTROL AND SELECTION (TC 49)

[IEC 62276 Ed. 1.0 en:2005](#), Single crystal wafers for surface acoustic wave (SAW) device applications - Specifications and measuring methods, \$97.00

POWER SYSTEM CONTROL AND ASSOCIATED COMMUNICATIONS (TC 57)

[IEC 61850-10 Ed. 1.0 en:2005](#), Communication networks and systems in substations - Part 10: Conformance testing, \$122.00

SAFETY OF ELECTRONIC EQUIPMENT WITHIN THE FIELD OF AUDIO/VIDEO, INFORMATION TECHNOLOGY AND COMMUNICATION TECHNOLOGY (TC 108)

[IEC/TR 62102 Ed. 2.0 en:2005](#), Electrical safety - Classification of interfaces for equipment to be connected to information and communications technology networks, \$81.00

SAFETY OF HOUSEHOLD AND SIMILAR ELECTRICAL APPLIANCES (TC 61)

[IEC 60335-2-40 Amd.2 Ed. 4.0 en:2005](#), Amendment 2 - Household and similar electrical appliances - Safety - Part 2-40: Particular requirements for electric heat pumps, air conditioners and dehumidifiers, \$24.00

IEC Technical Specifications**PIEZOELECTRIC AND DIELECTRIC DEVICES FOR FREQUENCY CONTROL AND SELECTION (TC 49)**

[IEC/TS 61994-4-4 Ed. 1.0 en:2005](#), Piezoelectric and dielectric devices for frequency control and selection - Glossary - Part 4-4: Materials - Materials for Surface Acoustic Wave (SAW) devices, \$40.00

Proposed Foreign Government Regulations

Call for Comment

U.S. manufacturers, exporters, regulatory agencies and standards developing organizations may be interested in proposed foreign technical regulations issued by members of the World Trade Organization (WTO). In accordance with the WTO Agreement on Technical Barriers to Trade (TBT Agreement), members are required to report proposed technical regulations that may significantly affect trade to the WTO Secretariat in Geneva, Switzerland, who in turn disseminates the information to all WTO members. The purpose of this requirement is to provide trading partners with an opportunity to review and comment on the regulation before it becomes final.

To distribute information on these proposed foreign technical regulations, the National Center for Standards and Certification Information

(NCSCI), National Institute of Standards and Technology (NIST), provides an on-line service - Export Alert! - that allows interested parties to register and obtain notifications, via e-mail, for countries and industry sectors of interest to them. To register, go to <http://ts.nist.gov/ncsci> and click on "Export Alert!".

NCSCI serves as the U.S. WTO TBT inquiry point and receives copies of all notifications, in English, to disseminate to U.S. industry. To obtain copies of the full text of the regulations or for further information, contact NCSCI, NIST, 100 Bureau Drive, Stop 2160, Gaithersburg, MD 20899-2160; telephone (301) 975-4040; fax (301) 926-1559, e-mail - ncsci@nist.gov.

NCSCI will also request an extension of the comment period and transmit comments to the issuing foreign agency for consideration.

Information Concerning

ANSI Accreditation Program for Third Party Product Certification Agencies

Applications for Accreditation

Pilot program for SQFI requirements

Comment Deadline: June 30, 2005

The following organizations have submitted formal application for accreditation by ANSI under the pilot accreditation program of product certifiers in accordance with ANSI requirements and ISO/IEC Guide 65 as well as SQFI technical requirements:

NSF International

Mr. Bruce DeMaine
NSF International
789 North Dixboro Road
Ann Arbor, MI 48105

Scope of application: SQF 2000 Code and SQF 1000 Code

Intertek Systems Certification

Mr. Robert Tyburski
Intertek Systems Certification
70 Diamond Road
Springfield, NJ 07081

Scope of application: SQF 2000 Code and SQF 1000 Code

FoodTrust Certifications LLC

Ms. Patti Wigginton
FoodTrust Certifications LLC
15 Underwood Place
Woodland, TX 77381

Scope of application: SQF 2000 Code and SQF 1000 Code

TUV America Inc.

Ms. Tura Quellette
TUV America Inc.
5 Cherry Hill Drive
Danvers, MA 01923

Scope of application: SQF 2000 Code and SQF 1000 Code

Lloyd's Register Quality Assurance

Mr. Phil Abbott
Lloyd's Register Quality Assurance
1401 Enclave Parkway
Houston, TX 77077

Scope of application: SQF 2000 Code and SQF 1000 Code

NCS International Pty Limited (NCSI)

Mr. Bill McBride
NCS International Pty Limited (NCSI)
Suite 2, 7 Leeds Street, Rhodes, NSW,
2234, Australia

Scope of application: SQF 2000 Code and SQF 1000 Code

Please send your comments by June 30, 2005 to Reinaldo Balbino Figueiredo, Program Director, Product Certifier Accreditation, American National Standards Institute, 1819 L Street, NW, 6th Floor, Washington, D.C. 20036, FAX: (202) 293-9287 or E-mail: rfigueir@ansi.org

Meeting Notices

ARI Water Coolers Engineering Committee (Teleconference Meeting)

ARI Water Coolers Engineering Committee (Open) will host a Web/Telephone Conference meeting on Tuesday, June 14, 2005 at 2:00 pm (EDT)

For further information contact: Duane Brown, PHONE: (703) 600-0326; E-mail: dbrown@ari.org

Agenda includes action on the following ARI standard: - Revised ARI Standard 1010-2002, Self-Contained Mechanically-Refrigerated Drinking-Water Coolers.

ASC Z380 – Gas Piping and Technology Committee

The ASC Z380, Gas Piping and Technology Committee, will meet at the Boston Park Plaza Hotel and Towers, Boston, MA, on July 18-21, 2005. The purpose of the meeting is to continue to develop guide material for publication as Addenda to the 2003 edition of ANSI Z380.1, Guide for Gas Transmission and Distribution Piping Systems. Please contact Paul Cabot at pcabot@aga.org for meeting information.

BSR/UL 539

It is proposed that 1.1 be revised to reflect the current NFPA reference.

1.1 These requirements cover heat-actuated, mechanically- or gas-operated, single and multiple station heat detectors alarms intended for indoor installation in accordance with the National Fire Alarm Code, NFPA 72, Chapter 8 11.

It is proposed that the standard be renamed: Single and Multiple Station Heat Detectors Alarms

It is further proposed that all references to heat detectors be updated to heat alarms. Affected paragraphs are: 1.1, 1.2, 3.2, 3.3, 3.4, 3.5, 4.1, 4.2, 5.1, 5.2, 7.2, 8.1, 9.2, 10.1, 11.1, 12.2, 12.3, 13.1, 13.2, 13.3, 13.4, 14.1, 14.3, 14.4, 14.5, 15.1, 15.3, 15.4, 15.8, 15.9, 15.10, 16.1, 17.1, 17.3, 17.8, 18.1, 19.1, 19.4, 19.5, 20.2, 21.1, 21.2, 21.3, 22.1, 23.1.1, 23.1.2, 23.1.3, 23.1.4, 23.2.1, 23.2.2, 24.1, 28.1, and 28.2.

PROPOSED REQUIREMENTS FOR THE THIRD EDITION OF THE STANDARD FOR NONMETALLIC OUTLET BOXES, FLUSH-DEVICE BOXES, AND COVERS, UL 514C

For your convenience in review, proposed additions to previously proposed requirements are shown underlined and proposed deletions are shown ~~lined-out~~.

1. REQUIREMENTS FOR FIXTURE SUPPORT

PROPOSAL

29.2.1 As a result of the test specified in 29.2.3, the supporting device shall not break, and the box shall not be pulled loose from the supporting device, unless otherwise specified, ~~and the box shall not be displaced more than 1/4 inch (6.4 mm)~~. Bending the supporting device without breaking or pulling loose from the box complies with the requirement ~~when the displacement is not more than 1/4 inch (6.4 mm)~~.

29.2.2 The test specified in 29.2.3 is to be performed on the following:

a) A bar hanger,

Exception: The requirement does not apply to a bar hanger made of 3/16 by 1/2 inch (4.8 by 12.7 mm) or larger steel bar stock when the hanger is not provided as part of a box or with means for attachment to a box.

b) A device other than a bar hanger when the device, or the smallest unit carton in which the device is packed is marked to indicate the device is for fixture support, and

c) A box provided with a fixture stud or other means for the support of a fixture.

29.2.3 The box-supporting device is to be mounted rigidly so as to support, in the intended manner, an outlet box to which a vertical downward force is imparted, and the pull force corresponding to the fixture weight in Table 29.1 is to be applied to the box for 5 minutes. When a fixture stud or other means for support is provided with a box, the pull force is to be directly applied to that means for support. See 29.2.2(c). In addition, three new samples of the hanger or box supporting device shall support a load applied normal to the face of the box for 5 minutes without more than a 1/4-in (6.4-mm) deflection. The load is to be the marked load when the marked load is specified by the manufacturer, or a mass of 50 lbs (22.7 kg) when a marked load is not specified.

BSR/UL 864

40.3.2.12 Failure of either of the transmission paths, including a single ground that impairs operation, a single open, and a wire to wire fault, each fault applied separately due to a loss of line voltage, shall result in an audible and visual trouble signal at the protected premises and the transmission of a trouble signal to the associated digital alarm communicator receiver over the operable path. The transmission shall be initiated within 4 minutes of occurrence of the fault. When public cellular telephone service is used as the secondary transmission path, loss of cellular service shall be considered a transmission path failure.

40.4.7 While the system is operating under the maximum specified channel loading, the time from the occurrence of: ~~each of the following faults, separately applied:~~

a) An adverse condition that will prevent the transmission of any change of status signal ~~or~~

b) The malfunction of any transmitting and receiving equipment, including transmitting and receiving antennas, and interconnecting cables, in the entire transmission path

until it a trouble is displayed and recorded at the supervising station, shall not exceed 90 seconds. The display and recording shall identify the affected portions of the radio-frequency system.