



INFO UPDATE

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Canadian Standards Association

Making Standards Work for People and Business

The **Canadian Standards Association** has been a leader in standards development since 1919. Accredited by the Standards Council of Canada, we have published over 2000 standards for the safety, design and performance of a wide range of products and services. Many of our standards are cited in legislation at federal, provincial, state and municipal levels across North America. Many are internationally or regionally harmonized. All of our standards are the result of the knowledge and expertise of our members who develop the standards.

Our 9,000+ members are at the heart of the CSA process for the development of standards. They come from all walks of life and include scientists, academics, environmentalists and technicians. They represent government, industry, labour and consumers. All CSA standards are developed following principles of consensus, so that all viewpoints receive a fair hearing with no one interest group dominating.

There are two different types of membership; volunteer committee membership and sustaining membership. Our committee members contribute time and expertise to the process of standards development, and our sustaining members support this work through the payment of annual dues.

CSA is funded through the sale of information products, membership, and from interested stakeholders.

At the Canadian Standards Association, we know the power of standards to effect change and are committed to making standards work for people and business.

For more than 80 years, the Canadian Standards Association has developed standards to create a better, safer world – and we will continue to touch people's lives in positive ways for many years to come.

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find out just how convenient
and efficient it is to access
all the latest information.*

About this publication

Info Update is published by the Canadian Standards Association (CSA) eight times a year. It contains important information about new and existing standards, e.g., recently published standards, and withdrawn standards. It also gives you highlights of other activities and services.

CSA offers a free online service called *Keep Me Informed* that will notify registered users when each new issue of *Info Update* is published. To register go to <http://www.csa-intl.org/onlinestore/KeepMeInformed/PleaseIdentifyYourself.asp?Language=EN>.

Information is organized into the eight program areas listed below.



Communications/Information includes Information Technology • Telecommunications



Construction Products & Materials includes Building Products • Building Systems (Industrialized Buildings) • Concrete • Forest Products • Masonry • National Construction Codes • Offshore Structures • Plumbing Products and Materials • Structures (Design) • Welding and Structural Metals



Electrical/Electronics includes the Canadian Electrical Code, Part I • Canadian Electrical Code, Part II – General Requirements • Canadian Electrical Code, Part II – Consumer and Commercial Products, Industrial Products, and Wiring Products • Canadian Electrical Code Part III – Outside Wiring • Electrical Engineering Standards • Electromagnetic Compatibility



Energy includes Fire Safety and Fuel Burning Equipment • Nuclear • Oil and Gas Industry Systems and Materials • Performance, Energy Efficiency and Renewables



Environment includes Environmental Management • Environmental Technology



Gas Equipment includes Natural Gas and Propane Installation Codes • Natural Gas and Propane Vehicle Fuel Systems and Industrial Engines • Accessories • Domestic and Commercial Water Heaters and Boilers • Food Processing and Food Refrigeration • Gas Fired Domestic and Commercial Heating Equipment and Air Conditioning • Incineration • Large Input Commercial and Industrial Equipment (Over 400,000 Btu/H) • Laundry Equipment • Performance Test Methods • Portable-Type Camping Equipment • Gas Technician Training Materials



Life Sciences includes Community Safety and Well-being • Health Care Technology • Mechanical Industrial Equipment • Occupational Health & Safety



Quality/Business Management includes Basic Engineering • Public Involvement • Quality Assurance • Quality Auditing • Quality Management • Reliability • Risk Management

What you'll find

Within each program, information is organized into the following sections:

Completed Projects / Projets terminés

▼ **New Standards – New Editions – Special Publications**

This section lists new standards, new editions (including adoptions), and special publications that have been published since the last issue of *Info Update*. To place your order call 1-800-463-6727 or visit our Online Store at <http://www.csa.ca>. Prices shown are quoted in Canadian dollars and do not include applicable taxes or shipping charges. Our office locations are listed at the end of this document.

▼ **Nouvelles normes – Nouvelles éditions – Publications spéciales publiées en français**

Cette section énumère les nouvelles normes et éditions (y compris les normes adoptées) ainsi que les publications spéciales qui ont paru depuis la dernière livraison du bulletin *Info-Update*. Pour commander, composez le 1 800 463-6727 ou visitez notre Boutique en ligne, au <http://www.csa.ca>. Les prix sont indiqués en dollars canadiens et ne comprennent pas les taxes pertinentes ni les frais d'expédition. La liste de nos bureaux est présentée à la fin de ce document.

▼ **Amendments**

Amendments are issued periodically for some standards. This section lists amendments that have been published since the last issue of *Info Update*. Most amendments are made available to the purchaser free of charge by returning the update notification card included in the standard or registering online for the update service through the Online Store at <http://www.csa.ca> and clicking on "My Account" on the navigation bar. Amendments developed by other standards development organizations, and adopted by CSA are made available for a fee. The prices shown are quoted in Canadian dollars and do not include applicable taxes or shipping charges.

▼ **Modifications publiées en français**

Dans le cas de certaines normes, des modifications sont publiées à intervalles réguliers. Cette section présente la liste des modifications publiées depuis la dernière livraison du bulletin *Info-Update*. La plupart des modifications étant offertes gratuitement, vous n'avez qu'à remplir et à nous retourner la carte d'avis de mise à jour incluse avec chaque norme. Vous pouvez également vous inscrire en direct à notre service de mise à jour en vous rendant à la Boutique en ligne, au <http://www.csa.ca>, et en cliquant sur le bouton « Mon compte » de la barre de navigation. Des frais s'appliquent toutefois aux modifications élaborées par d'autres organismes de normalisation et adoptées par la CSA. Les prix sont indiqués en dollars canadiens et ne comprennent pas les taxes pertinentes ni les frais d'expédition.

▼ **Adopted Standards**

Adopted standards have been developed by another standards development organization and have been approved by our technical committee for use in Canada, with or without modification. They are available for sale from CSA. You will find published adopted standards listed under "*New Standards — New Editions — Special Publications*."

▼ **Endorsed Standards**

Endorsed standards have been developed by another standards development organization, and have been approved by the appropriate CSA technical committee for use in Canada.

Endorsed standards are not sold by CSA.

For copies, contact the originating organization or Global Info Centre Canada at 1-800-854-7179 or 613-237-4250; fax 613-237-4251; e-mail gic@ihscanada.ca; Web site <http://www.global.ihs.com>.

Completed Projects (cont'd) / Projets terminés (suite)

▼ Reaffirmed Standards

The standards listed in this section have been reviewed to determine if they remain technically valid and are acceptable for use until the next edition is published or for a further five years.

▼ Withdrawn Standards

The standards listed in this section have been withdrawn. Most withdrawn standards are available from our archived collection. Some copies may not be in original format.

To order, call toll-free 1-800-463-6727 (in Toronto, 416-747-4044).

▼ Formal Interpretations

This section lists questions that individuals have submitted about a particular standard. Each question has been reviewed and answered by the appropriate committee. If you would like to submit a question about a particular standard, please see the end notes in the preface of that standard.

Under Development

The *Under Development* section formerly published in *Info Update* is now available directly on the CSA website. This enhancement allows us to provide you with these important notifications on a more timely basis. To visit the new "Current Standards Activities" page, go to: <http://standardsactivities.csa.ca/standardsactivities/default.asp?language=en>.

Certification and Testing (CSA International)

▼ Informs Notices (Bulletins from CSA International)

An *Informs* is a notice containing information only. It does not contain anything that would require you to resubmit products for certification. If you would like a copy of an *Informs* notice, call CSA International at 416-747-4171, or fax 416-747-2476.

▼ Certification Notices

Certification notices inform you about changes that would require a product to be resubmitted for certification or about critical factors that may affect a product's certification. Products must comply with the changed requirements by the effective dates given.

CSA certification and testing clients receive these notices automatically. If you did not receive a copy or would like to receive one, call CSA International at 416-747-2488, or fax 416-747-4173.



Construction Products and Materials

[O86-09, 9th edition](#)

Engineering Design in Wood



Produits et matériaux de construction

[B79-08, 4^e édition](#)

Avaloirs et regards de nettoyage pour usage commercial et d'habitation



Electrical/Electronics

[C22.2 No. 153-09, 2nd edition](#)

Electrical Quick-Connect Terminals (bi-national standard with UL 310, eighth edition)

[C22.2 No. 233-09, 2nd edition](#)

Cords and Cord Sets for Communication Systems



Energy

[C815-09, 2nd edition](#)

Energy Performance of Drinking Water Coolers

[N285.4-09, 5th edition](#)

Periodic Inspection of CANDU Nuclear Power Plant Components



Énergie

[C439-09, 4^e édition](#)

Méthodes d'essai pour l'évaluation en laboratoire des performances des ventilateurs-récupérateurs de chaleur/énergie

[N287.2-08, 5^e édition](#)

Exigences relatives aux matériaux des enceintes de confinement en béton des centrales nucléaires CANDU

[N287.7-08, 4^e édition](#)

Exigences relatives à la mise à l'essai et à la vérification, en cours d'exploitation, des enceintes de confinement en béton des centrales nucléaires CANDU

[N291-08, 1^{re} édition](#)

Exigences relatives aux enceintes reliées à la sûreté des centrales nucléaires CANDU

[N292.3-08, 1^{re} édition](#)

Gestion des déchets radioactifs de faible et de moyenne activité



Sciences de la Vie

[Z262.6-09, 2^e édition](#)

Spécifications relatives aux fausses têtes présentant des traits du visage

[Z262.8-09, 1^{re} édition](#)

Protecteurs faciaux de crosse

[Z462-08, 1^{re} édition](#)

Sécurité en matière d'électricité au travail



**This issue contains no updates
in this subject area**



Completed Projects / Projets terminés

New Standards – New Editions – Special Publications

O86-09, 9th edition

Engineering Design in Wood

Paper.....	\$160
PDF	\$145

This standard provides criteria for the structural design and appraisal of structures or structural elements made from wood or wood products, including graded lumber, glued-laminated timber, unsanded plywood, oriented strandboard (OSB), composite building components, shearwalls and diaphragms, timber piling, pole-type construction, prefabricated wood I-joists, structural composite lumber products, preserved wood foundations, and their structural fastenings. This standard uses the limit states design method.

Nouvelles normes – Nouvelles éditions – Publications spéciales publiées en français

B79-08, 4^e édition

Avaloirs et regards de nettoyage pour usage commercial et d'habitation

Papier.....	110 \$
PDF seulement	100 \$

Cette norme énonce les exigences applicables aux produits suivants destinés à un usage commercial et d'habitation :

- a) avaloirs pluviaux ;
- b) avaloirs de balcon ;
- c) avaloirs de terrasse ;
- d) avaloirs de sol ;
- e) avaloirs de toit ;
- f) avaloirs de douche ;
- g) tranchées drainantes ; et
- h) regards de nettoyage.

Les sujets suivants sont visés par cette norme :

- a) les matériaux ;
- b) les exigences de conception pour les
 - (i) raccords ;
 - (ii) attaches ;
 - (iii) grillages ;
 - (iv) bouchons de regards de nettoyage ;
 - (v) clapets anti-retour ; et
 - (vi) siphons intégrés ;



Nouvelles normes – Nouvelles éditions – Publications spéciales (suite)

B79-08 (suite)

- c) les essais
 - (i) de charge ;
 - (ii) d'étanchéité des clapets anti-retour ;
 - (iii) d'étanchéité ; et
 - (iv) de résistance à la corrosion ; et
- d) les marquages.

Amendments

AAMA/WDMA/CSA 101/I.S.2/A440-08

NAFS North American Fenestration Standard / Specification for Windows, Doors, and Skylights

Revision of Tables 4 and 27.

B45 Series-02

Plumbing Fixtures

The following standards have been withdrawn from the B45 Series:

- B45.1-02 (superseded by ASME A112.19.2-2008/CSA B45.1-08)
- B45.2-02 (superseded by ASME A112.19.1-2008/CSA B45.2-08)
- B45.3-02 (superseded by ASME A112.19.1-2008/CSA B45.2-08)
- B45.4-02 (superseded by ASME A112.19.3-2008/CSA B45.4-08).

Modifications publiées en français

Série B45-02

Appareils sanitaires

Les normes suivantes ont été retirées de la Série B45 :

- La B45.1-02 (remplacée par l'ASME A112.19.2-2008/CSA B45.1-08)
- La B45.2-02 (remplacée par l'ASME A112.19.1-2008/CSA B45.2-08)
- La B45.3-02 (remplacée par l'ASME A112.19.1-2008/CSA B45.2-08)
- La B45.4-02 (remplacée par l'ASME A112.19.3-2008/CSA B45.4-08).

Reaffirmed Standards

CAN/CSA-A123.21-04 (R2009)

Standard Test Method for the Dynamic Wind Uplift Resistance of Mechanically Attached Membrane Roofing Systems

CAN/CSA-A370-04 (R2009)

Connectors for Masonry

Reaffirmed Standards (cont'd)

CAN/CSA-S472-04 (R2009)

Foundations

CAN/CSA-S474-04 (R2009)

Concrete Structures

Withdrawn Standards

The following standards have been withdrawn from the B45 Series-02:

- **CAN/CSA-B45.1-02 (R2008)**
Ceramic Plumbing Fixtures
(superseded by ASME A112.19.2-2008/CSA B45.1-08)
- **CAN/CSA-B45.2-02 (R2008)**
Enamelled Cast-Iron Plumbing Fixtures
(superseded by ASME A112.19.1-2008/CSA B45.2-08)
- **CAN/CSA-B45.3-02 (R2008)**
Porcelain-Enamelled Steel Plumbing Fixtures
(superseded by ASME A112.19.1-2008/CSA B45.2-08)
- **CAN/CSA-B45.4-02 (R2008)**
Stainless Steel Plumbing Fixtures
(superseded by ASME A112.19.3-2008/CSA B45.4-08)

Certification and Testing (CSA International)

Informs Notices

Date	Subject	Title
April 3, 2009	Publication of CSA standard Z240 RV Series-08, <i>Recreational Vehicles</i> , including Update #1, Update #2, and T.I.L. No. RV-08 (Construction requirements for Fuel Tanks used in fuel distribution and dispensing systems in recreational vehicles).	Recreational Vehicles No. 29
April 27, 2009	Publication of CSA standard A277-08, <i>Procedure for Factory Certification of Buildings</i>	Building Products and Materials No. 17
June 19, 2009	New certification program for corrugated steel pipe. Certifications will be in accordance with the CSA G401 standards and the guidelines specified by the Ontario Ministry of Transportation.	Plumbing Products No. 195

**Informs Notices (cont'd)**

Date	Subject	Title
June 19, 2009	Publication of Technical Information Letter No. MSE-57, providing interim certification requirements for chemical-dispensing systems.	Plumbing Products No. 196
June 19, 2009	Publication of standard ASSE 1055 – 2008, <i>Performance Requirements for Chemical Dispensing Systems</i> . This standard provides certification requirements for the U.S.	Plumbing Products No. 197
June 29, 2009	New certification service for manufactured mobile commercial/industrial relocatable structures.	Building Products and Materials No. 18

Certification Notices

Please note: ► Notices marked with an arrowhead are new in this issue.

Effective Date	Subject	Title
October 1, 2009	Revised requirements for the acceptance of non-CSA-certified gas, electrical, and plumbing products in recreational vehicles, park model trailers, mobile homes, and modular homes. (Supersedes Building Products No. 14 & 14A / Recreational Vehicles No. 28 & 28A.)	Building Products No. 14B / Recreational Vehicles No. 28B
June 1, 2010	Publication of CSA B137 Series-05, <i>Thermoplastic Pressure Pipe Compendium</i> .	Plumbing Products No. 193



Completed Projects / Projets terminés

New Standards – New Editions – Special Publications

C22.2 No. 153-09, 2nd edition

Electrical Quick-Connect Terminals (bi-national standard with UL 310, eighth edition)

PDF only \$370

This standard applies to quick-connect terminals, both connectors and tabs, having nominal widths of 2.8, 3.2, 4.8, 5.2, and 6.3 mm (0.110, 0.125, 0.187, 0.205, and 0.250 in). They are intended for internal wiring connections in electrical equipment and for the field termination of conductors to electrical equipment in accordance with the *Canadian Electrical Code, Part I*, in Canada, and the *National Electrical Code*, in the United States of America.

C22.2 No. 233-09, 2nd edition

Cords and Cord Sets for Communication Systems

PDF only \$100

This standard applies to cords and cord sets intended for indoor use to electrically connect communication systems that have a normal operating voltage-to-ground of less than 150 V rms, and that are installed or used in accordance with the *Canadian Electrical Code, Part I*.

This standard applies to single-, paired-, and multi-conductor cords, as well as cord sets, where no part of the cord is subjected to a temperature exceeding 60 °C.

Reaffirmed Standards

C22.2 No. 3-M1988 (R2009)

Electrical Features of Fuel-Burning Equipment

C22.2 No. 21-95 (R2009)

Cord Sets and Power Supply Cords

C22.2 No. 25-1966 (R2009)

Enclosures for Use in Class H Groups E, F, and G Hazardous Locations

C22.2 No. 26-1952 (R2009)

Construction and Test of Wireways, Auxiliary Gutters, and Associated Fittings

C22.2 No. 37-M1989 (R2009)

Christmas Tree and Other Decorative Lighting Outfits

C22.2 No. 42-99 (R2009)

General Use Receptacles, Attachment Plugs, and Similar Wiring Devices

CAN/CSA-C22.2 No. 42.1-00 (R2009)

Cover Plates for Flush-Mounted Wiring Devices (bi-national standard with UL 514D, first edition)



Reaffirmed Standards (cont'd)

C22.2 No. 56-04 (R2009)

Flexible Metal Conduit and Liquid-Tight Flexible Metal Conduit

C22.2 No. 100-04 (R2009)

Motors and Generators

C22.2 No. 122-M1989 (R2009)

Hand-Held Electrically Heated Tools

C22.2 No. 137-M1981 (R2009)

Electric Luminaires for Use in Hazardous Locations

C22.2 No. 145-M1986 (R2009)

Motors and Generators for Use in Hazardous Locations

C22.2 No. 156-M1987 (R2009)

Solid-State Speed Controls

C22.2 No. 158-1987 (R2009)

Terminal Blocks

C22.2 No. 159-M1987 (R2009)

Attachment Plugs, Receptacles, and Similar Wiring Devices for Use in Hazardous Locations: Class I, Groups A, B, C, and D; Class II, Group G, in Coal or Coke Dust, and in Gaseous Mines

C22.2 No. 182.2-M1987 (R2009)

Industrial Locking Type, Special Use Attachment Plugs, Receptacles, and Connectors

C22.2 No. 182.3-M1987 (R2009)

Special Use Attachment Plugs, Receptacles, and Connectors

C22.2 No. 184-M1988 (R2009)

Solid-State Lighting Controls

CAN/CSA-C22.2 No. 188-04 (R2009)

Splicing Wire Connectors (tri-national standard with NMX-J-548-ANCE-2004, first edition, and UL 486C, fifth edition)

C22.2 No. 190-M1985 (R2009)

Capacitors for Power Factor Correction

CAN/CSA-C22.2 No. 191-M89 (R2009)

Engine Heaters and Battery Warmers

C22.2 No. 201-M1984 (R2009)

Metal-Enclosed High Voltage Busways

C22.2 No. 203.1-94 (R2009)

Manufactured Wiring Systems



Reaffirmed Standards (cont'd)

CAN/CSA-C22.2 No. 224-M89 (R2009)

Radiant Heaters and Infrared and Ultraviolet Lamp Assemblies for Cosmetic or Hygienic Purposes in Nonmedical Applications

C22.2 No. 245-95 (R2009)

Marine Shipboard Cable (bi-national standard with UL 1309, first edition)

C22.2 No. 255-04 (R2009)

Neon Transformers and Power Supplies

CAN/CSA-C22.2 No. 60745-2-19-05 (R2009)

Hand-held motor-operated electric tools — Safety — Part 2-19: Particular requirements for jointers (bi-national standard with UL 60745-2-19, first edition. Adopted IEC 60745-2-19:2005, first edition, with Canadian deviations)

C22.3 No. 4-1974 (R2009)

Control of Electrochemical Corrosion of Underground Metallic Structures

CAN/CSA-C22.3 No. 6-M91 (R2009)

Principles and Practices of Electrical Coordination Between Pipelines and Electric Supply Lines

CAN/CSA-CEI/IEC 61000-4-14-01 (R2009)

Electromagnetic compatibility (EMC) — Part 4-14: Testing and measurement techniques — Voltage fluctuation immunity test (Adopted CEI/IEC 61000-4-14:1999, first edition, without modification)

CAN/CSA-CEI/IEC 61000-4-28-01 (R2009)

Electromagnetic compatibility (EMC) — Part 4-28: Testing and measurement techniques — Variation of power frequency, immunity test (Adopted CEI/IEC 61000-4-28:1999, first edition, without modification)

CAN/CSA-CEI/IEC 61000-4-30:04 (R2009)

Electromagnetic compatibility (EMC) — Part 4-30: Testing and measurement techniques — Power quality measurement methods (Adopted CEI/IEC 61000-4-30:2003, first edition, without modification)

CAN/CSA-E79-18-95 (R2009)

Electrical apparatus for explosive gas atmospheres — Part 18: Encapsulation "m" (Adopted CEI/IEC 79-18:1992, first edition, with Canadian deviations)

CAN/CSA-E730-2-2-94 (R2009)

Automatic electrical controls for household and similar use — Part 2: Particular requirements for thermal motor protectors (Adopted CEI/IEC 730-2-2:1990, first edition, with Canadian deviations)

CAN/CSA-E730-2-5-94 (R2009)

Automatic electrical controls for household and similar use — Part 2: Particular requirements for automatic electrical burner control systems (Adopted CEI/IEC 730-2-5:1990, first edition, with Canadian deviations)



Reaffirmed Standards (cont'd)

CAN/CSA-E742-94 (R2009)

Automatic electrical controls for household and similar use — Part 2: Particular requirements for automatic electrical burner control systems (Adopted CEI/IEC 742:1983, first edition, with Canadian deviations)

CAN/CSA-E60335-2-14:05 (R2009)

Household and similar electrical appliances — Safety — Part 2-14: Particular requirements for kitchen machines (Adopted CEI/IEC 60335-2-14:2005, fourth edition, with Canadian deviations)

CAN/CSA-E60335-2-15:05 (R2009)

Household and similar electrical appliances — Safety — Part 2-15: Particular requirements for appliances for heating liquids (Adopted CEI/IEC 60335-2-15:2003, fifth edition, with Canadian deviations)

CAN/CSA-E60335-2-23:05 (R2009)

Household and similar electrical appliances — Safety — Part 2-23: Particular requirements for appliances for skin or hair care (Adopted CEI/IEC 60335-2-23:2005, fifth edition, without modification)

CAN/CSA-E60335-2-31:05 (R2009)

Household and similar electrical appliances — Safety — Part 2-31: Particular requirements for range hoods (Adopted CEI/IEC 60335-2-31:2005, fourth edition, with Canadian deviations)

CAN/CSA-E60335-2-55:05 (R2009)

Household and similar electrical appliances — Safety — Part 2-55: Particular requirements for electrical appliances for use with aquariums and garden ponds (Adopted CEI/IEC 60335-2-55:2005, third edition, without modification)

CAN/CSA-E60335-2-76:05 (R2009)

Household and similar electrical appliances — Safety — Part 2-76: Particular requirements for electric fence energizers (Adopted CEI/IEC 60335-2-76:2005, second edition, with Canadian deviations)

CAN/CSA-E61496-1:04 (R2009)

Safety of machinery — Electro-sensitive protective equipment — Part 1: General requirements and tests (Adopted CEI/IEC 61496-1:1997, first edition, with Canadian deviations)

CAN/CSA-E61496-2:04 (R2009)

Safety of machinery — Electro-sensitive protective equipment — Part 2: Particular requirements for equipment using active opto-electronic protective devices (AOPDs) (Adopted CEI/IEC 61496-2:1997, first edition, with Canadian deviations)



Reaffirmed Standards (cont'd)

CSA has reaffirmed its endorsement of the following IEC standards:

- **IEC 60093 (1980)**
Methods of test for volume resistivity and surface resistivity of solid electrical insulating materials
- **IEC 60167 (1964)**
Methods of test for the determination of the insulation resistance of solid insulating materials
- **IEC 60212 (1971)**
Standard conditions for use prior to and during the testing of solid electrical insulating materials
- **IEC 60243-1-1998**
Electrical strength of insulating materials — Test methods — Part 1: Tests at power frequencies
- **IEC 60243-2 (2001)**
Electric strength of insulating materials — Test methods — Part 2: Additional requirements for tests using direct voltage
- **IEC 60250 (1969)**
Recommended methods for the determination of the permittivity and dielectric dissipation factor of electrical insulating materials at power, audio and radio frequencies including metre wavelengths
- **IEC 60345 (1971)**
Method of test for electrical resistance and resistivity of insulating materials at elevated temperatures
- **IEC 60371-3-3 (1983)**
Specification for insulating materials based on mica. Part 3: Specifications for individual materials. Sheet 3: Rigid mica materials for heating equipment
- **IEC 60377-1 (1973)**
Methods for the determination of the dielectric properties of insulating materials at frequencies above 300 MHz. Part 1: General
- **IEC 60377-2 (1977)**
Methods for the determination of the dielectric properties of insulating materials at frequencies above 300 MHz. Part 2: Resonance methods
- **IEC 60394-1 (1972)**
Varnished fabrics for electrical purposes. Part 1: Definitions and general requirements
- **IEC 60394-2 (1972)**
Varnished fabrics for electrical purposes. Part 2: Methods of Test
- **IEC 60394-3-1 (1976)**
Varnished fabrics for electrical purposes. Part 3: Specifications for individual materials. Sheet 1: Oleoresinous varnish-cotton base, OR/C



Reaffirmed Standards (cont'd)

CSA has reaffirmed its endorsement of the following IEC standards:

- **IEC 60394-3-2 (1988)**
Varnished fabrics for electrical purposes. Part 3: Specifications for individual materials. Sheet 2: Glass-fabric based varnished fabrics with epoxy, polyurethane, silicone, polyester, bituminous or oleoresinous varnish
- **IEC 60454-3-6 (1998)**
Pressure-sensitive adhesive tapes for electrical purposes — Part 3: Specifications for individual materials — Sheet 6: Polycarbonate film tapes with acrylic thermoplastic adhesive
- **IEC 60454-3-7 (1998)**
Pressure-sensitive adhesive tapes for electrical purposes — Part 3: Specifications for individual materials — Sheet 7: Polyimide film tapes with pressure-sensitive adhesive
- **IEC 60455-1 (1998)**
Resin based reactive compounds used for electrical insulation — Part 1: Definitions and general requirements
- **IEC 60455-2 (1998)**
Resin based reactive compounds used for electrical insulation — Part 2: Methods of test
- **IEC 60455-2-2 (1984)**
Specification for solventless polymerisable resinous compounds used for electrical insulation — Part 2: Methods of test — Test methods for coating powders for electrical purposes
- **IEC 60455-3-11 (1988)**
Specification for solventless polymerisable resinous compounds used for electrical insulation. Part 3: Specifications for individual materials. Sheet 11: Epoxy resin-based coating powders
- **IEC 60464-1 (1998)**
Varnishes used for electrical insulation — Part 1: Definitions and general requirements
- **IEC 60493-1 (1974)**
Guide for the statistical analysis of ageing test data. Part 1: Methods based on mean values of normally distributed test results
- **IEC 60554-1 (1977)**
Specification for cellulosic papers for electrical purposes. Part 1: Definitions and general requirements
- **IEC 60554-3-1 (1979)**
Specification for cellulosic papers for electrical purposes. Part 3: Specifications for individual materials. Sheet 1: General purpose electrical paper
- **IEC 60554-3-2 (1983)**
Specification for cellulosic papers for electrical purposes. Part 3: Specifications for individual materials. Sheet 2: Capacitor paper



Reaffirmed Standards (cont'd)

CSA has reaffirmed its endorsement of the following IEC standards:

- **IEC 60554-3-3 (1980)**
Specification for cellulosic papers for electrical purposes. Part 3: Specifications for individual materials. Sheet 3: Crêpe paper
- **IEC 60554-3-4 (1979)**
Specification for cellulosic papers for electrical purposes. Part 3: Specifications for individual materials. Sheet 4: Electrolytic capacitor paper
- **IEC 60554-3-5 (1984)**
Specification for cellulosic papers for electrical purposes. Part 3: Specifications for individual materials. Sheet 5: Special papers
- **IEC 60589 (1977)**
Methods of test for the determination of ionic impurities in electrical insulating materials by extraction with liquids
- **IEC 60648 (1979)**
Method of test for coefficients of friction of plastic film and sheeting for use as electrical insulation
- **IEC 60667-1 (1980)**
Specification for vulcanized fibre for electrical purposes. Part 1: Definitions and general requirements
- **IEC 60667-2-1982**
Specification for vulcanized fibre for electrical purposes. Part 2: Methods of test
- **IEC 60667-3-1 (1986)**
Specification for vulcanized fibre for electrical purposes. Part 3: Specifications for individual materials. Sheet 1: Flat sheets
- **IEC 60672-2 (1999)**
Ceramic and glass insulating materials — Part 2: Methods of test
- **IEC 60672-3 (1997)**
Ceramic and glass-insulating materials — Part 3: Specifications for individual materials
- **IEC 60674-1 (1980)**
Specification for plastic films for electrical purposes. Part 1: Definitions and general requirements
- **IEC 60674-2 (1988)**
Specification for plastic films for electrical purposes. Part 2: Methods of test
- **IEC 60763-1 (1983)**
Specification for laminated pressboard. Part 1: Definitions, classification and general requirements



Withdrawn Standards

CAN/CSA-C22.3 No. 8-M91 (R2003)*Railway Electrification Guidelines***CAN/CSA-C233.1-87 (R2004)***Gapless Metal Oxide Surge Arresters for Alternating Current Systems*

Certification and Testing (CSA International)

Informs Notices

Date	Subject	Title
April 27, 2009	Publication of Update No. 2 to CSA standard C22.2 No. 18.4-04, <i>Hardware for the Support of Conduit, Tubing and Cable</i> (bi-national standard with UL 2239).	Wiring Devices No. 59
April 27, 2009	Publication of CSA standard C22.2 No. 48-09, <i>Nonmetallic Sheathed Cables</i> .	Wire and Cable No. 144
April 27, 2009	Publication of CSA standard C22.2 No. 230-09, <i>Tray Cables</i> .	Wire and Cable No. 145
April 27, 2009	Publication of CSA standard C22.2 No. 96.1-09, <i>Mine Power Feeder Cables</i> .	Wire and Cable No. 146
June 19, 2009	Publication of Technical Information Letter No. D-32, providing interim certification requirements for harmonization of test values for field wiring terminals.	Industrial Control Equipment No. 26
June 19, 2009	Publication of CSA standard C22.2 No. 230-09, <i>Tray cables</i> (supersedes Wire and Cable No. 145).	Wire and Cable No. 145A

Certification Notices

Please note: ► Notices marked with an arrowhead are new in this issue.

Effective Date	Subject	Title
December 15, 2009	Publication of Update No. 2 to CSA standard C22.2 No. 227.2.1-04, <i>Liquid-Tight Flexible Nonmetallic Conduit</i> (bi-national standard with UL 1660).	Conduit No. 22
December 31, 2009	Publication of Update No. 4 to CSA standard C22.2 No. 42-99, <i>General Use Receptacles, Attachment Plugs and Similar Wiring Devices</i> . Ground Fault Circuit Interrupter (GFCI) devices, combined with receptacles having tamper-resistant features, CSA-certified to the CSA standard C22.2 No. 144.1, shall comply with the new test requirements and new marking requirements of Update No. 4 to CSA standard C22.2 No. 42-99.	Ground Fault Circuit Interrupters No. 7
December 31, 2009	Publication of Update No. 4 to CSA standard C22.2 No. 42-99, <i>General Use Receptacles, Attachment Plugs and Similar Wiring Devices</i> .	Wiring Devices No. 56
December 31, 2009	Publication of Update No. 2 to CSA standard C22.2 No. 130-03, <i>Requirements for Electrical Resistance Heating Cables and Heating Device Sets</i> . (Supersedes Wiring Devices No. 37.)	Wiring Devices No. 37A
January 1, 2010	Publication of the second edition of CSA standard CAN/CSA-C681-06, <i>Performance of Self-Ballasted Compact Fluorescent lamps and Ballasted Adapters</i> .	Verification Service Announcement No. 35
January 5, 2010	Publication of CSA standard C22.2 No. 45.2-08, <i>Electrical Rigid Metal Conduit — Aluminum, Red Brass, and Stainless Steel</i> (bi-national standard with UL 6A, 2nd edition).	Conduit No. 23
March 10, 2010	Publication of Update No. 2 to CSA standard C22.2 No. 243-01, <i>Vacuum Cleaners, Blower Cleaners and Household Floor Finishing Machines</i> (bi-national standard with UL 1017).	Vacuum Cleaners and Blower Cleaners No. 9
March 31, 2010	Publication of Amendments to UL 1059, <i>Terminal Blocks</i> . (Supersedes Wiring Devices No. 40.)	Wiring Devices No. 40A
April 1, 2010	Publication of CSA standard C22.2 No. 250.7-07, <i>Extra-low-voltage Landscape Lighting Systems</i> . (Supersedes Lighting Products No. 34.)	Lighting Products No. 52

**Certification Notices (cont'd)**

Effective Date	Subject	Title
▶ May 3, 2010	Publication of CSA standard C22.2 No. 96-09, <i>Portable Power Cables</i> .	Wire and Cable No. 147
May 31, 2010	Transfer of existing certifications of shielded and concentric neutral power cables to CSA standard C68.5-05, <i>Primary Shielded and Concentric Neutral Cable for Distribution Utilities</i> .	Wire and Cable No. 142
May 31, 2010	Publication of CSA standard C68.10-08, <i>Shielded Power Cable for Commercial and Industrial Applications, 5-46 KV</i> .	Wire and Cable No. 139
May 31, 2010	Extension of effective date for CSA standard CAN/CSA-C22.2 No. 42.1-00, <i>Cover Plates for Flush-Mounted Wiring Devices</i> (bi-national standard with UL 514D).	Wiring Devices No. 39A
June 1, 2010	Publication of CSA standards CAN/CSA-C22.2 No. 60745-1-04 and CAN/CSA-C22.2 No. 60745-2-04 (bi-national standards with UL 60745-1 and associated Part 2 series standards).	Electrical Tools No. 15
July 1, 2010	Publication of Update No. 2 to CSA standard C22.2 No. 62.1-03, <i>Nonmetallic Surface Raceways and Fittings</i> (bi-national standard with UL5A).	Raceways and Fittings No. 7
▶ July 31, 2010	Publication CSA standard CAN/CSA-C22.2 No. 71.2-2008, <i>Electric Bench Tools</i> .	Electric Tools No. 22
September 17, 2010 (existing certifications)	Publication of CSA standard C22.2 No. 250.0-08, <i>Luminaires</i> (bi-national standard with UL 1598, 3rd edition). (Supersedes Lighting Products No. 35, 35A, and 47.)	Lighting Products No. 53
December 1, 2010	Publication of CSA standard CAN/CSA-C22.2 No. 60950-1-07 (bi-national standard with UL 60950-1).	Information Technology and Electrical Business Equipment No. 16
▶ December 15, 2010	Publication of the CSA standard C22.2 No. 43-08, <i>Lampholders</i> (bi-national standard with UL 496).	Wiring Devices No. 58
February 28, 2011	Publication of CSA standard C22.2 No. 52-09, <i>Underground Secondary and Service-Entrance Cables</i> .	Wire and Cable No. 143
January 1, 2012	Publication of CSA standard CAN/CSA-E61131-2:06, <i>Programmable controllers — Part 2: Equipment requirements and tests</i> (Adopted IEC 61131-2:2003, second edition, with Canadian deviations).	Programmable Controllers No. 1

Certification Notices (cont'd)

Effective Date	Subject	Title
May 1, 2012	Publication of bi-national standard CSA C22.2 No. 66-06 Series and UL 5085 Series, <i>Low Voltage Transformers</i> .	Transformers No. 6
August 21, 2016	Publication of CSA standard CAN/CSA-C22.2 No. 60335-2-24-06, <i>Safety Requirements for Household and Similar Electrical Appliances, Part 2: Particular Requirements for Refrigerating Appliances, Ice Cream Appliances and Ice Makers</i> (tri-national standard with UL 60335-2-24 and NMX-J-521/2-24-ANCE-2006. Adopted IEC 60335-2-24:2002, sixth edition, with national deviations).	Household Refrigerators and Freezers No. 3



Completed Projects / Projets terminés

New Standards – New Editions – Special Publications

C815-09, 2nd edition

Energy Performance of Drinking Water Coolers

PDF only \$55

This standard specifies energy performance requirements for self-contained drinking water coolers having an hourly rated capacity of up to 21 mL/s (20 US gal/h). Included in the standard are procedures for measuring capacity and energy consumption, including standby losses and maximum energy consumption levels.

This standard applies to the following mechanical, thermoelectric, and other electrically operated drinking water coolers that are designed to cool water for delivery to either locally or remotely installed dispensing means:

- pressurized type
- point-of-use (POU) type
- remote type
- bottle type.

This standard also applies to units that provide additional utility by means of a refrigerated compartment or a means of heating potable water, or both.

This standard does not apply to drinking water coolers intended for use on central circulating-type systems or employing remote-type (split-system) condensing units.

N285.4-09, 5th edition

Periodic Inspection of CANDU Nuclear Power Plant Components

Paper TBA

PDF \$200

This standard defines requirements for the periodic inspection of pressure-retaining systems, components, and supports that form part of a CANDU nuclear power plant.

This standard addresses the following:

- failure aspects
- classification of areas subject to inspection
- provision for access
- inspection techniques and procedures
- personnel qualifications
- frequency of inspection
- responsibilities
- documentation
- records
- evaluation of inspection results
- dispositioning
- repair requirements.



Nouvelles normes – Nouvelles éditions – Publications spéciales publiées en français

C439-09, 4^e édition

Méthodes d'essai pour l'évaluation en laboratoire des performances des ventilateurs-récupérateurs de chaleur/énergie

PDF seulement 100 \$

Cette norme vise les ventilateurs-récupérateurs de chaleur/énergie monoblocs (VRC/VRÉ) assemblés en usine, dans lesquels la chaleur ou la chaleur et l'humidité sont transférées entre deux flux d'air séparés.

Cette norme énonce des méthodes d'essai en laboratoire et des modes opératoires d'évaluation du rendement thermique apparent et de l'efficacité de la récupération d'un VRC/VRÉ. La norme traite également du mouvement de l'air et des fuites entre les flux d'air.

Les VRC/VRÉ monoblocs qui font appel à un cycle de réfrigération ou à un fluide de circulation pour transférer la chaleur entre deux flux d'air séparés peuvent être évalués au moyen de cette norme.

N287.2-08, 5^e édition

Exigences relatives aux matériaux des enceintes de confinement en béton des centrales nucléaires CANDU

Papier..... 220 \$
PDF 200 \$

Cette norme énonce les exigences visant les matériaux utilisés dans les enceintes de confinement en béton des systèmes de confinement, désignés comme composants, pièces et accessoires de la «classe confinement» des centrales nucléaires CANDU.

N287.7-08, 4^e édition

Exigences relatives à la mise à l'essai et à la vérification, en cours d'exploitation, des enceintes de confinement en béton des centrales nucléaires CANDU

Papier..... 220 \$
PDF 200 \$

Cette norme énonce les exigences relatives aux vérifications en cours d'exploitation et aux essais en pression positive des débits de fuite des enceintes de confinement en béton d'un système de confinement, désignées comme des composants de la classe de confinement.

Les essais et les inspections périodiques des autres composants et accessoires du système de confinement conçus conformément à la série de normes CSA N285 ne sont pas visés par cette norme, mais plutôt par la CAN/CSA-N285.5.

Nouvelles normes – Nouvelles éditions – Publications spéciales (suite)**N291-08, 1^{re} édition***Exigences relatives aux enceintes reliées à la sûreté des centrales nucléaires CANDU*

Papier.....	220 \$
PDF	200 \$

Cette norme énonce les exigences relatives aux matériaux, à la conception, à la construction, à la fabrication, à l'inspection et à l'examen des structures reliées à la sûreté des centrales nucléaires CANDU.

Les enceintes reliées à la sûreté traitées dans cette norme sont

- les structures qui soutiennent, abritent ou protègent les systèmes de sûreté nucléaire ;
- les composants des structures nécessaires à l'exploitation sûre et (ou) à l'arrêt sécuritaire du réacteur ; et
- les installations de stockage des combustibles épuisés et des autres déchets radioactifs.

Cette norme ne s'applique pas aux enceintes de confinement en béton visées par la série de normes CSA N287, ni aux systèmes et aux composants sous pression visés par la CSA N285.0. Ces normes, ainsi que les exigences supplémentaires prescrites dans cette norme, établissent les exigences en matière de tenue en service et de sûreté applicables à ces structures.

N292.3-08, 1^{re} édition*Gestion des déchets radioactifs de faible et de moyenne activité*

Papier.....	220 \$
PDF	200 \$

Cette norme prescrit des exigences relatives à la gestion de déchets radioactifs de faible et de moyenne activité sous forme solide, liquide ou gazeuse.

Cette norme s'applique aux organismes et aux installations qui produisent, possèdent, gèrent et transportent des déchets radioactifs de faible et de moyenne activité, y compris les réacteurs de puissance, les instituts de recherche, les laboratoires et les installations industrielles.

Amendments

N285.0-08/N285.6 Series-08*General Requirements for Pressure-Retaining Systems and Components in CANDU Nuclear Power Plants / Material Standards for Reactor Components for CANDU Nuclear Power Plants*

The following revisions have been made to the series:

- **N285.0-08/N285.6 Series-08:** Revision of the Table of Contents.
- **N285.0-08:** Revision of Clauses 3, 7.2.2(d), 12.2.7, 12.3, 12.3.1, I.6.3.1, I.6.3.2, and I.6.3.5.1. Addition of Clauses 1.3A, 14.5.4, and I.6.3.2.1–I.6.3.2.4. Deletion of Clauses 12.3.2, 12.3.7–12.3.9, and I.6.3.3 and Figure 7.
- **N285.6.1-08:** Addition of Clause 8. Deletion of Clause 7.11.
- **N285.6.2-08:** Revision of Clause 3.
- **N285.6.7-08:** Revision of Table 1.



Amendments (cont'd)

N285.0-08/N285.6 Series-08 (cont'd)

- **N285.6.8-08:** Revision of Tables A.1 and A.3.
- **N285.6.10-08:** Revision of Clause 3.
- **N285.6.11-08:** Revision of Clause 3.

N285.8-05

Technical Requirements for In-Service Evaluation of Zirconium Alloy Pressure Tubes in CANDU Reactors

Revision of Clause A.6.3.3.3.2(d).

Formal Interpretations

The following interpretation regarding Clause 14.2.4 of **CSA standard B140.0-03, *Oil-Burning Equipment: General Requirements***, has been approved by the Technical Committee on Oil Burning Appliance Standards (B140 Series, B211 and B212).

Question: Is it the intent of the requirement of Clause 14.2.4 of the B140.0-03 to allow the flue gas temperature of a condensing furnace (as measured according to the flue gas temperature test of B140.4) to be less than 150°C (300°F)?

Answer: Yes.

The following interpretation regarding Clause 1.2.1 of **CSA standard Z245.15-05, *Steel Valves***, has been approved by the Technical Committee on Petroleum and Natural Gas Industry Pipeline Systems and Materials.

Question: Is an NPS 2 reduced port valve within the scope of CSA Z245.15?

Answer: Yes.

The following interpretation regarding Clause 16.6.4 of **CSA standard Z662-07, *Oil and Gas Pipeline Systems***, has been approved by the Technical Committee on Petroleum and Natural Gas Industry Pipeline Systems and Materials.

Question #1: Is hardness testing of "production welds" that will be subjected to sour service required when the CSA Z662-07 standard is being used?

Answer: No.

Note: *CSA Z662-07 does not specify what hardness testing is required on "production welds" to meet the stated hardness requirements of Clause 16.6.4 and leaves it to the user to determine what is required to demonstrate compliance to the performance requirement stipulated.*

Question #2: Is production weld hardness testing mandatory for sour service?

Answer: No.

Note: *CSA Z662-07 does not specify that hardness testing is mandatory on "production welds" to meet the stated hardness requirements of Clause 16.6.4 and leaves it to the user to determine what is required to demonstrate compliance to the performance requirement stipulated.*

Formal Interpretations (cont'd)

The following interpretation regarding Clause 16.6.4 of **CSA standard Z662-07, *Oil and Gas Pipeline Systems***, has been approved by the Technical Committee on Petroleum and Natural Gas Industry Pipeline Systems and Materials.

Question: In Clause 16.6.4, does the word “any location” mean that all the fabricated welds for sour pipelines will have to be hardness tested (100%) to meet the requirement?

Answer: No.

Note: CSA Z662-07 does not specify what hardness testing is required on fabricated welds to meet the stated hardness requirements of Clause 16.6.4 and leaves it to the user to determine what is required to demonstrate compliance to the performance requirement stipulated.

The following interpretation regarding Clause I.4.1 of **CSA standard Z662-07, *Oil and Gas Pipeline Systems***, has been approved by the Technical Committee on Petroleum and Natural Gas Industry Pipeline Systems and Materials.

Question #1: Is it the intent of Clause I.4.1 in Annex I that the all weld metal test be done by testing the entire composite completed weld?

Answer: Yes.

Question #2: Is it the intent of Clause I.4.1 in Annex I that each weld consumable used in completing the weld is to be tested independently in the all weld metal test?

Answer: No.

The following interpretation regarding Clauses 14.4.4.2 and I.2.2.1 of **CSA standard Z662-07, *Oil and Gas Pipeline Systems***, has been approved by the Technical Committee on Petroleum and Natural Gas Industry Pipeline Systems and Materials.

Question #1: Is it acceptable to use the pressure design formula and procedures specified in ASME B31.3-2006 Paragraph 304.1.2 (in particular formula 3a) instead of the equations provided in CSA Z662 Paragraph 14.2.2.1 for the determination of the required pressure design thickness (t) and minimum required thickness (t_m) for straight pipe under internal pressure?

Answer: No.

Question #2: Is it acceptable to use the pressure design formula and procedures specified in ASME B31.3-2006 Chapter IX “High Pressure Piping” (in particular formula 34a) instead of the equation provided in Paragraph I.2.1.1 of Annex I of CSA Z662?

Answer: No.



Formal Interpretations (cont'd)

The following interpretation regarding Clauses 4.3.12.4 and 5.2.5.1 of **CSA standard Z662-07, *Oil and Gas Pipeline Systems***, has been approved by the Technical Committee on Petroleum and Natural Gas Industry Pipeline Systems and Materials.

Question #1: Can ASME B16.5 and B16.36 flanges now be used at elevated temperatures when used under CSA Z662 without regard to ASME temperature de-rating requirements below 120°?

Answer: No.

Question #2: For materials shown in Table 5.3 as having “No Limitations” for the applicable material Category, are these materials considered completely equivalent to the applicable CSA Z245 material standards?

Answer: No.

Question #3: If yes to Question #2 above, does this mean that ASME temperature de-rating factors (above 38°C) for B16.34 valves can also be ignored in lieu of CSA Z662-07 temperature factor requirements as stated in clause 4.3.12.4?

Answer: Not Applicable.

Question #4: If yes to Question #3 above, does this mean that NPS1.5 valves and smaller (for which there is no applicable CSA Z245 material spec) would also be subject to the CSA Z662-07 temperature factor requirements as stated in clause 4.3.12.4 rather than the ASME temperature de-rating requirements (above 38°C)?

Answer: Not Applicable.

The following interpretation regarding Annex I of **CSA standard Z662-07, *Oil and Gas Pipeline Systems***, has been approved by the Technical Committee on Petroleum and Natural Gas Industry Pipeline Systems and Materials.

Question #1: For girth welding of pressure-retaining pipe and components, recognizing that the cellulosic SMAW root pass comprises a minimal portion of the aggregate production weldment and that there are currently no cellulosic SMAW electrodes that will meet the elevated temperature yield strength for Grade 483 or higher, is it the intent of the standard to require each individual welding electrode classification to be tested separately as indicated in Clause I.3.2.2 and that each electrode classification meet the elevated temperature properties of the base metal?

Answer: Not Applicable.

Note: Clause I.3.2.2 does not apply to girth welding, the requirements specified in Clause I.4 apply for girth welding. The requirements of Clause I.3.2.2 are intended to apply to the manufacturer of pipe and components for the longitudinal seam welds.

Formal Interpretations (cont'd)

Question #2: Is it permissible to perform an aggregate all weld metal elevated temperature tensile test as indicated in Clause I.4 (a) (iii) and (iv) to demonstrate acceptable welding electrode properties for the root pass providing that all remaining welding electrodes used for the completion of the girth weld are tested as per Clause I.3.2.2?

Answer: Not Applicable.

Note: The reference to Clause I.3.2.2 is not applicable in this case. Clause I.3.2.2 is intended to apply to the manufacturer of pipe and components for the longitudinal seam welds.



Environment

**This issue contains no updates
in this subject area**



Completed Projects / Projets terminés

Amendments

ANSI Z21.54b-2009/CSA 8.4b-2009

Addenda A to “Gas Hose Connectors for Portable Outdoor Gas-Fired Appliances”

Paper..... TBA

PDF \$65

This document provides revisions to ANSI Z21.54-2002/CSA 8.4-2002 and ANSI Z21.54a-2006/CSA 8.4a-2006.

Certification and Testing (CSA International)

Informs Notices

Date	Subject	Title
March 12, 2009	New verification service to CSA standard P.11-2007, <i>Testing Method for Measuring Efficiency and Energy Consumption on Gas-Fired Unit Heaters.</i>	Verification Services Announcement No. 37
April 27, 2009	Publication of ANSI Z21.24a-2009/ CSA 6.10a-2009, <i>Connectors for Gas Appliances.</i>	Gas Products No. 187
June 19, 2009	Publication of CSA standard P.5-09, <i>Test Method for Measuring Per-Cycle Energy Consumption, Energy Factor of Residential Gas Clothes Dryers.</i>	Gas Products No. 192
June 26, 2009	New verification service to CSA standard P.4.1, <i>Testing Method for Measuring Annual Fireplace Efficiency.</i>	Verification Services Announcement No. 38
June 29, 2009	Publication of CSA standard B51-09, <i>Boiler, Pressure Vessel, and Pressure Piping Code.</i>	Gas Products No. 195



Certification Notices

Please note: ► Notices marked with an arrowhead are new in this issue.

Effective Date	Subject	Title
August 3, 2009	Publication of ANSI NGV 2-2007, <i>Compressed Natural Gas Vehicle Fuel Containers</i> .	Gas Products No. 147
December 1, 2009	Publication of addenda ANSI Z21.89a-2008/CSA 1.18a-2008, <i>Outdoor Cooking Specialty Gas Appliances</i> . The revisions in this addenda supersede any corresponding provisions of ANSI Z21.89-2007/CSA 1.18-2007.	Gas Products No. 183
December 1, 2009	Publication of CSA standard CAN/CSA-C22.2 No. 62282-2:07, <i>Fuel cell technologies — Part 2: Fuel cell modules</i> (adopted CEI/IEC 62282-2:2004, first edition, with Canadian deviations).	Gas Products No. 178
December 1, 2009	Publication of addenda ANSI Z21.58a/CSA 1.6a-2008, <i>Outdoor Cooking Gas Appliances</i> . The revisions in this addenda supersede any corresponding provisions of ANSI Z21.58-2007/CSA 1.6-2007.	Gas Products No. 177
December 1, 2009	Publication of addenda ANSI Z83.18b-2008, <i>Re-circulating Direct Gas-Fired Industrial Air Heaters</i> . The revisions in this addenda supersede any corresponding provisions of ANSI Z83.18-2004 and Z83.18a-2005.	Gas Products No. 167
► August 1, 2010	Publication of standard ANSI LC7-2009, <i>Pipe Joint Sealing Compounds and Materials</i> .	Gas Products No. 186
► August 1, 2010	Publication of addenda ANSI Z21.50b-2009/CSA 2.22b-2009, <i>Vented Gas Fireplaces</i> . The revisions in this addenda supersede any corresponding provisions of ANSI Z21.50-2007/CSA 2.22-2007 and ANSI Z21.50a-2008/CSA 2.22a-2008.	Gas Products No. 189
► August 1, 2010	Publication of addenda ANSI Z83.11b-2009/CSA 1.8b-2009, <i>Gas Food Service Equipment</i> . The revisions in this addenda supersede any corresponding provisions of ANSI Z83.11-2006/CSA 1.8-2006 and ANSI Z83.11a-2007/CSA 1.8a-2007.	Gas Products No. 190

**Certification Notices (cont'd)**

Effective Date	Subject	Title
▶ August 1, 2010	Publication of CSA standard P.4.1-09, <i>Testing Method for Measuring Annual Fireplace Efficiency.</i>	Gas Products No. 193
▶ August 1, 2010	Publication of standard ANSI Z21.88/ CSA 2.33-2009, <i>Vented Gas Fireplace Heaters.</i>	Gas Products No. 194



Completed Projects / Projets terminés

Nouvelles normes – Nouvelles éditions – Publications spéciales publiées en français

Z262.6-09, 2^e édition

Spécifications relatives aux fausses têtes présentant des traits du visage

Papier.....	60 \$
PDF seulement	55 \$

Cette norme établit les exigences relatives aux dimensions et aux matériaux des fausses têtes présentant des traits du visage et devant servir à la mise à l'essai de l'équipement de protection des yeux et du visage complet, en particulier la protection contre les chocs.

Z262.8-09, 1^{re} édition

Protecteurs faciaux de crosse

Papier.....	55 \$
PDF seulement	50 \$

Cette norme établit les exigences en matière de performance et les méthodes d'essai qui s'appliquent aux protecteurs faciaux commercialisés, vendus et destinés à la crosse en enclos et à la crosse masculine au champ.

Cette norme établit les exigences relatives à

- la fabrication ;
- la résistance aux chocs des balles de crosse ;
- la pénétration ;
- le champ de vision ; et
- le marquage et les renseignements.

Les types de protecteurs faciaux visés par cette norme sont

- type B ;
- type C ; et
- type D.

Cette protection faciale est destinée aux joueurs, y compris les gardiens de but.

Z462-08, 1^{re} édition

Sécurité en matière d'électricité au travail

Papier.....	80 \$
PDF seulement	80 \$

Cette norme énonce les exigences de sécurité électricité au travail qui visent à prévenir les accidents pendant des activités comme l'installation, l'exploitation, l'entretien et le démantèlement d'appareillage et de conducteurs électriques, d'équipements et de conducteurs de signalisation et de télécommunications ainsi que de canalisations électriques, dans les contextes suivants :



Nouvelles normes – Nouvelles éditions – Publications spéciales (suite)

Z462-08 (suite)

- a) les établissements publics et privés, y compris les bâtiments, les constructions, les maisons mobiles, les véhicules de camping et les établissements flottants ;
- b) les cours, les terrains de stationnement, les foires d’amusement et les sous-stations industrielles ;
- c) les installations de conducteurs et d’appareillage raccordés à l’alimentation en électricité ; et
- d) les installations utilisées par un distributeur d’électricité (p. ex., les immeubles de bureaux, les entrepôts, les garages, les ateliers d’usinage et les bâtiments récréatifs) qui ne font pas partie intégrante d’une centrale électrique, d’un poste de distribution ou d’un centre de commande.

Cette norme a pour objet d’énoncer les exigences visant la sécurité des travailleurs relativement aux dangers associés à la présence d’électricité sur le lieu de travail.

Cette norme est conçue pour être utilisée avec le Code canadien de l’électricité, Première, Deuxième et Troisième parties, et d’autres normes canadiennes connexes de sécurité électricité au travail (p. ex., la CAN/CSA-M421 et la CAN/CSA-Z460) et doit être utilisée avec ces normes. En outre, l’utilisateur de cette norme doit toujours consulter la réglementation provinciale/territoriale et fédérale en matière de sécurité qui s’applique au lieu de travail, au chantier ou à la profession en cause.

Modifications publiées en français

B340-08

Sélection et utilisation de bouteilles à gaz cylindriques et sphériques, tubes et autres contenants pour le transport des marchandises dangereuses, classe 2

Des modifications ont été apportées à la préface, à la chapitre 2 et aux articles 4.2.2.3.2 et 4.2.2.3.4 à 4.2.2.3.6.

Reaffirmed Standards

CAN/CSA-C22.2 No. 60601-2-1-01 (R2009)

Medical electrical equipment — Part 2-1: Particular requirements for the safety of electron accelerators in the range 1 MeV to 50 MeV (Adopted CEI/IEC 60601-2-1:1998, second edition, without modification)

CAN/CSA-C22.2 No. 601.2.3-92 (R2009)

Medical electrical equipment — Part 2-1: Particular requirements for the safety of short-wave therapy equipment (Adopted IEC 601-2-3:1991, second edition, with Canadian deviations)

CAN/CSA-C22.2 No. 601.2.6-92 (R2009)

Medical electrical equipment — Part 2: Particular requirements for the safety of microwave therapy equipment (Adopted IEC 601-2-6:1984, first edition, with Canadian deviations)

Reaffirmed Standards (cont'd)**CAN/CSA-C22.2 No. 60601-2-7-01 (R2009)**

Medical electrical equipment — Part 2-7: Particular requirements for the safety of high-voltage generators of diagnostic X-ray generators (Adopted IEC 60601-2-7:1998, second edition, without modification)

CAN/CSA-C22.2 No. 60601-2-8-01 (R2009)

Medical electrical equipment — Part 2-8: Particular requirements for the safety of therapeutic X-ray equipment operating in the range 10 kV to 1 MV (Adopted CEI/IEC 60601-2-8:1987, first edition, without modification)

CAN/CSA-C22.2 No. 601.2.10-92 (R2009)

Medical electrical equipment — Part 2: Particular requirements for the safety of nerve and muscle stimulators (Adopted IEC 601-2-10:1987, first edition, with Canadian deviations)

CAN/CSA-C22.2 No. 60601-2-11-01 (R2009)

Medical electrical equipment — Part 2: Particular requirements for the safety of gamma beam therapy equipment (Adopted CEI/IEC 60601-2-11:1997, second edition, without modification)

CAN/CSA-C22.2 No. 60601-2-18-01 (R2009)

Medical electrical equipment — Part 2: Particular requirements for the safety of endoscopic equipment (Adopted CEI/IEC 601-2-18:1996, second edition, without modification)

CAN/CSA-C22.2 No. 60601-2-24-01 (R2009)

Medical electrical equipment — Part 2-24: Particular requirements for the safety of infusion pumps and controllers (Adopted IEC 60601-2-24:1998, first edition, without modification)

CAN/CSA-C22.2 No. 60601-2-40-01 (R2009)

Medical electrical equipment — Part 2-40: Particular requirements for the safety of electromyographs and evoked response equipment (Adopted IEC 60601-2-40:1998, first edition, without modification)

CAN/CSA-C22.2 No. 60601-2-46-01 (R2009)

Medical electrical equipment — Part 2-46: Particular requirements for the safety of operating tables (Adopted IEC 60601-2-46:1998, first edition, without modification)

CAN/CSA-Z259.2.2-98 (R2009)

Self-Retracting Devices for Personal Fall-Arrest Systems

Z259.13-04 (R2009)

Flexible Horizontal Lifeline Systems

Z259.16-04 (R2009)

Design of Active Fall-Protection Systems



Reaffirmed Standards (cont'd)

CAN/CSA-Z314.22-04 (R2009)

Management of Loaned, Shared and Leased Medical Devices

Z316.5-04 (R2009)

Fume Hoods and Associated Exhaust Systems

CAN/CSA-Z902-04 (R2009)

Blood and Blood Components

CAN/CSA-Z23328-1-04 (R2009)

Breathing system filters for anaesthetic and respiratory use — Part 1: Salt test method to assess filtration performance (Adopted ISO 23328-1:2003, first edition, without modification)

Withdrawn Standards

CAN/CSA-M6816-92 (R2007)

Machinery for Forestry — Winches — Classification and Nomenclature
(Adopted ISO 6816-1984, first edition, without modification)

Certification and Testing (CSA International)

Informs Notices

Date	Subject	Title
June 29, 2009	Publication of CSA standard B51-09, <i>Boiler, Pressure Vessel, and Pressure Piping Code</i> .	Gas Products No. 195

Certification Notices

Please note: ► Notices marked with an arrowhead are new in this issue.

Effective Date	Subject	Title
► December 1, 2010	Announcing additional marking requirements for CSA standard CAN/CSA Z262.2-M90, <i>Face Protectors and Visors for Ice Hockey Players</i> and for CSA standard CAN/CSA Z262.1-M90, <i>Ice Hockey Helmets</i> .	Sports and Recreational Equipment No. 13



Completed Projects / Projets terminés

Withdrawn Standards

PLUS 1163

Chain of Custody for Forest Products Originating From a Defined Forest Area Registered to CSA standard CAN/CSA-Z809



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Head Office

5060 Spectrum Way, Suite 100
Mississauga, Ontario
L4W 5N6
CANADA

Telephone: 416-747-4000
1-800-463-6727
Fax: 416-747-2475
email: info@csagroup.org

Edmonton – Sales

1707 94th Street NW
Edmonton, Alberta
T6N 1E6
CANADA

Tel: (780) 490-2007
1-800-463-6727
Fax: (780) 435-0998

Vancouver – Sales

13799 Commerce Parkway
Richmond, British Columbia
V6V 2N9
CANADA

Tel: (604) 244-6652
1-800-463-6727
Fax: (604) 244-6508

Membership

Telephone: 416-747-4044
1-800-463-6727
Fax: 416-747-2510
email: members@csa.ca

Mississauga – Sales

5060 Spectrum Way, Suite 100
Mississauga, Ontario
L4W 5N6
CANADA

Telephone: 416-747-4044
1-800-463-6727
Fax: 416-747-2510
email: sales@csa.ca

Montreal – Sales

865, rue Ellingham
Pointe-Claire, Quebec
H9R 5E8
CANADA

Tel: (514) 428-2418
1-800-463-6727
Fax: (514) 694-5001

Cleveland – Sales

8501 East Pleasant Valley Road
Cleveland, Ohio
44131-5575
USA

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